LG

KE-14P2B

MODEL

SERVICE MANUAL

ADJUSTMENT INSTRUCTIONS

Notes;

(Adjustments must be performed by the following procedures)

1. It is recommended that an isolation transformer be used when servicing this chassis to prevent electric shock and damage to test equipment.
2. The ac line voltage must be maintained at 230 vac, +- 10%, 50/60 hz.
3. Prior to making any adjustments, the receiver must be operated for 10 minutes.

1. DECK ADJUSTMENT

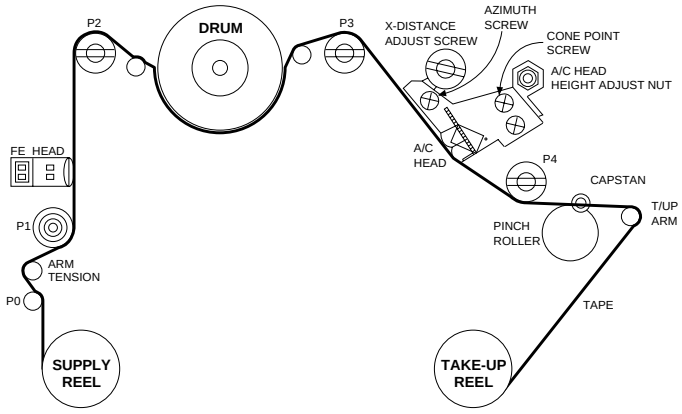
1. Deck Transit System Adjustment

1-1. Necessary Instruments

1) TAPE for SP
2) Oscilloscope
3) 10:1 Probes 2EA
4) Adjustment Driver
   (P2, P3, X-distance (NUT), Audio (NUT) control)
5) RMS Meter (Audio Level Meter)

1-2.Preliminary Steps

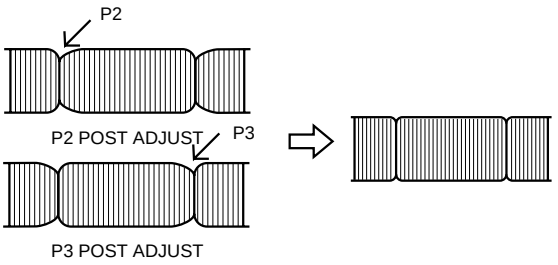
1) Connect CH 1 of the oscilloscope to J123 (H/SW) on the main PCB. Trigger on this channel.
2) Connect CH 2 of the oscilloscope to J158 (RF) on the main PCB. Monitor this waveform when preceding with step 4.
3) Play an alignment tape.
4) When the "auto Trk" caption appears on screen, press the TRK up (+) button on the RCU to initialize the manual tracking feature.
5) If manual tracking differs from auto tracking, precede with steps 1-3 (RF Linearity) and 1-4 (X-Distance Adj.).



<Adjust Parts Location>

1-3. RF linearity check and adjustment

1) Adjust P2 & P3 so that the RF ENVELOPE waveform is maximum and stabilized .
2) Check if the ENVELOPE waveform is at its maximum size by pressing TRK UP(+) and DOWN(-) button one step.



<Adjustment waveform>

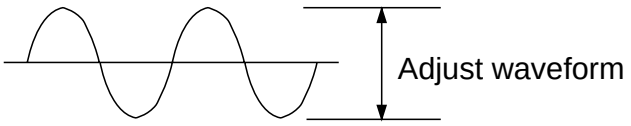
1-4. X-Distance Adjustment

1) Turn the Cone Screw of the DECK left or right so that the RF waveform is maximum.
2) Check if the RF waveform satisfies the linearity by pressing TRK UP(+) and DOWN(-) button one step.

   CAUTION: If the RF waveform becomes maximum with the Cone Screw more than 2 turns, its out of adjustment. (2 turns; 720 ¡Æ

1-5. Audio Level Check and Adjustment

1) Connect "+" terminal of RMS Meter (Audio Level Meter) to J108 on MAIN PCB AUDIO OUT and "-" terminal to GND, respectively.
2) Play the 1khz and 7khz segments on the alignment tape and confirm if the spec is meet in item #3. If not adjust the azimuth screw to meet this spec.
3) Audio Level Spec: 1KHz ; 0.5 ¡ 0.1Vrms
   6KHz ; 1K ¡ 1.5dB



<Adjustment Waveform>

2. CIRCUIT ADJUSTMENT

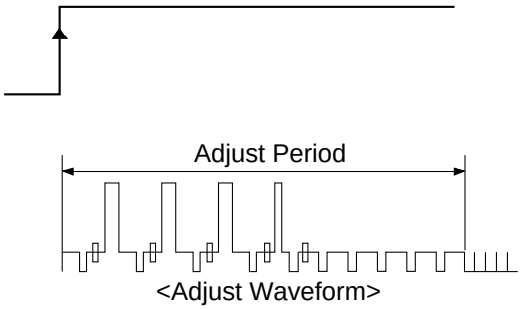
1. PG Adjustment

1-1. Necessary Instruments

1) Alignment tape SP
2) Oscilloscope
3) 10 : 1 Probe

1-2.Adjustment

1) PLAY exclusive use of SP tape. (2HD: NORMAL TAPE)
2) Connect CH 1 of the Oscilloscope to J123 (H/SW) on the MAIN PCB and VOL/DIV to 1V Range and Trigger the Oscilloscope.
3) Connect CH 2 of the oscilloscope to J241 (Video Out) on the main PCB and set the VOL/DIV to 500mV Range.
4) Set TIME/DIV of oscilloscope to 50 ¥s Range.
5) Adjust VR01 so that V-sync Falling Edge of Video signal become 412 ¥sec ¡ 20¥sec.



<Adjust Waveform>

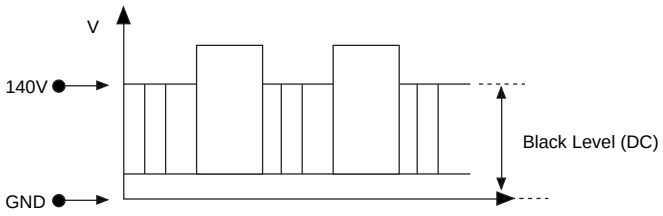
* **CAUTION:** Set the trigger mode of Oscilloscope to DC.

3. Focus Voltage Adjustment

1) Receive the cross hatch pattern.
2) Press the PICTURE button to set the Standard ON condition.
3) Adjust Focus control knob so that the focus of center & circumference to be best.

4. Screen Adjustment

1) Receive PAL DIGITAL PATTERN.
2) Select channel 0.
3) Connect the probe of oscilloscope to the RK of CPT PCB.
4) Adjust screen volume of FBT so that the waveform is the same as below figure.



¡ How to get into SVC mode when you don't have SVC Remote Controller.
Push the "OK" Key on the user's Remote Controller and local "OK" button at the same time.

5. SIF Adjustment

1) Receive PAL DIGITAL PATTERN.
2) Connect the DMM to pin 5 of IC100 (SIF TP).
3) Adjust L107 to be DC 2.3¡ 0.05V.

6. RF AGC Adjustment

1) Input PAL DIGITAL PATTERN.
2) Connect DMM to AGC(J184) test point on the Main PCB.
3) Press SVC Key on the Service Remote Controller to get into SVC mode and press PR +/- Key to select AGC.
4) Press VOL +/- Key until DMM reads the data on the table below.

MODEL	KL/KF/KE	KI
Electric fields strength	65dBu ¡ 0.2dBu	65dBu ¡ 0.2dBu
AGC Voltage	2.3 ¡ 0.1Vdc	2.1¡ 0.1Vdc

7. White Balance Adjustment

1) Input a signal which lower half is black and upper half is white.
2) Set the picture at standard on.
3) Press SVC Key on the Service Remote Controller to get into Service mode.
4) Press PR +/- Key to select BG, RG.
Press VOL +/- Key until X=281¡ 3, Y=288¡ 3.

¡ GG is fixed data at 32 so, do not adjust GG data.

8 Deflection Data Adjustment

1) Input PAL Digital Pattern.
2) Press SVC Key on the Service Remote Controller and select LINE SERVICE 2 mode.
3) Press PR +/- Key to select an adjustment mode.
4) Press VOL +/- Key to adjust data.

5) Vertical SLOPE adjustment
- ¤ Select V-SLP mode with PR +/- Key.
- ¤Ł Press VOL +/- Key until the horizontal center line of the large circle coincides with Blanking Line.

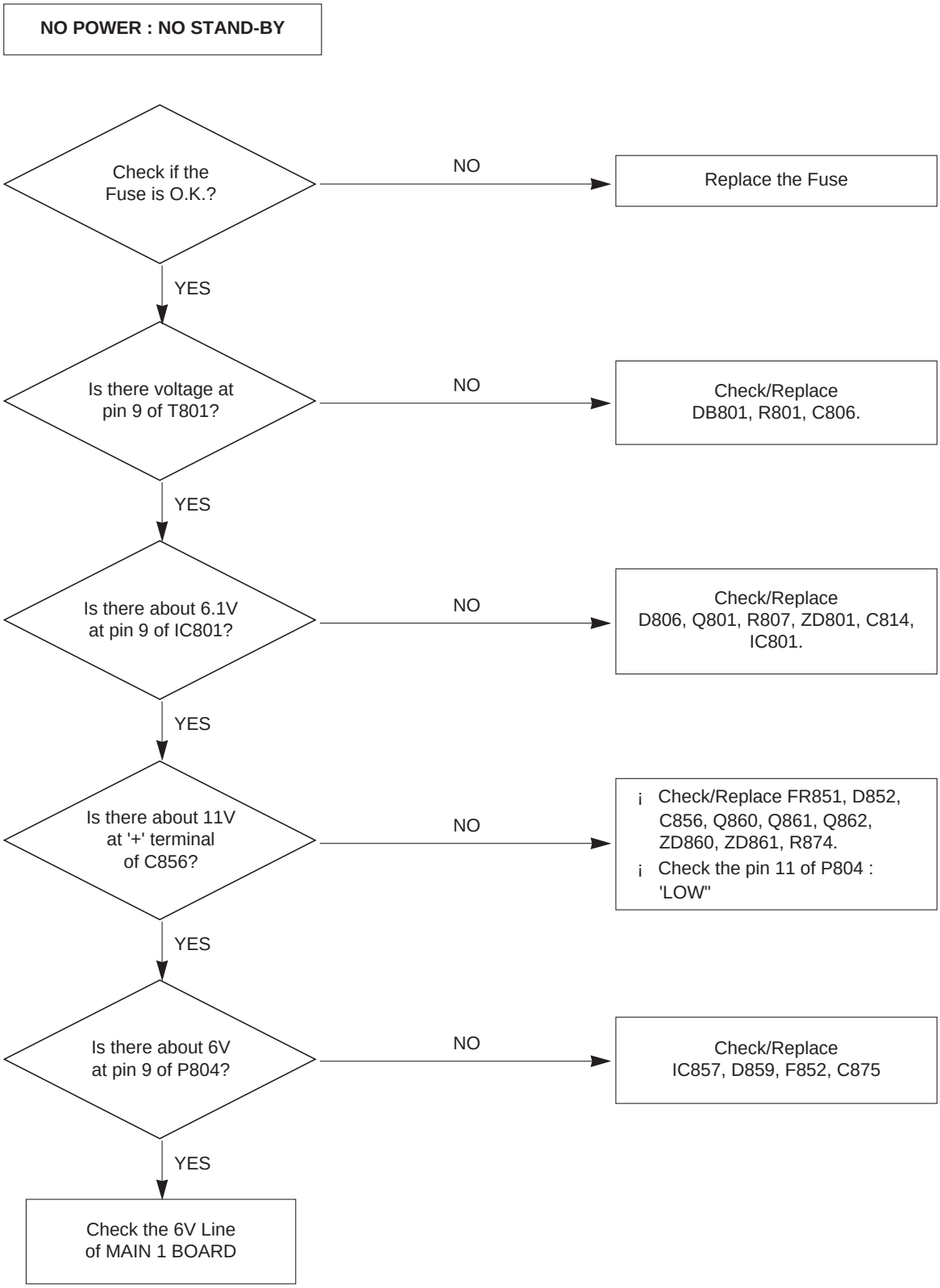
6) Vertical amplitude adjustment
- ¤ Select V-AMP mode with PR +/- Key.
- ¤Ł Press VOL +/- Key until the upper and lower end of the large circle reach 5 mm inside from the effective area of CPT.

7) Vertical Shift Adjustment
- ¤ Select V-SFT mode with PR +/- Key.
- ¤Ł Press VOL +/- Key until the horizontal center coincides with the vertical sign slot mark of CPT.

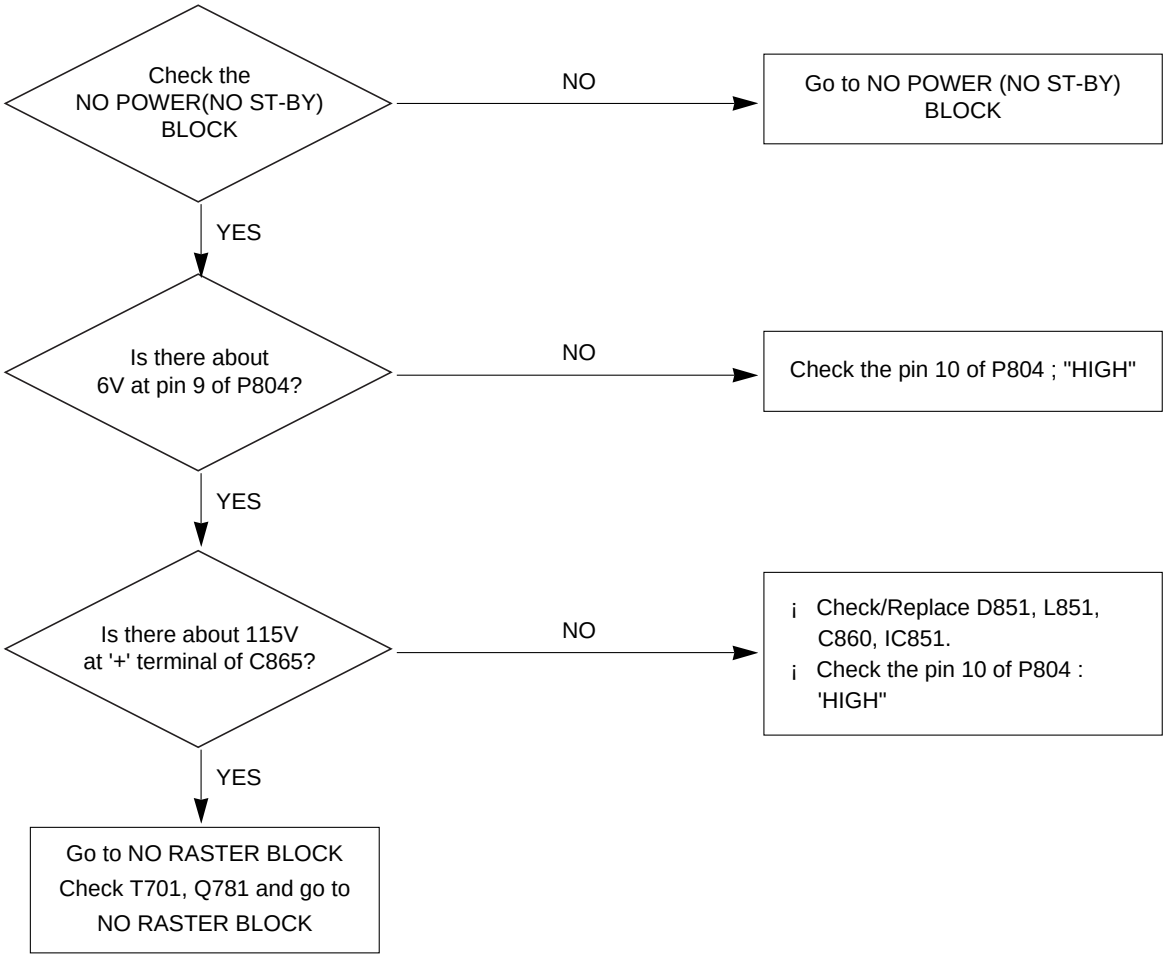
8) Horizontal Shift Adjustment
- ¤ Select H-SFT mode with PR +/- Key.
- ¤Ł Press VOL +/- Key until the vertical center coincides with the horizontal sign slot mark of CPT.

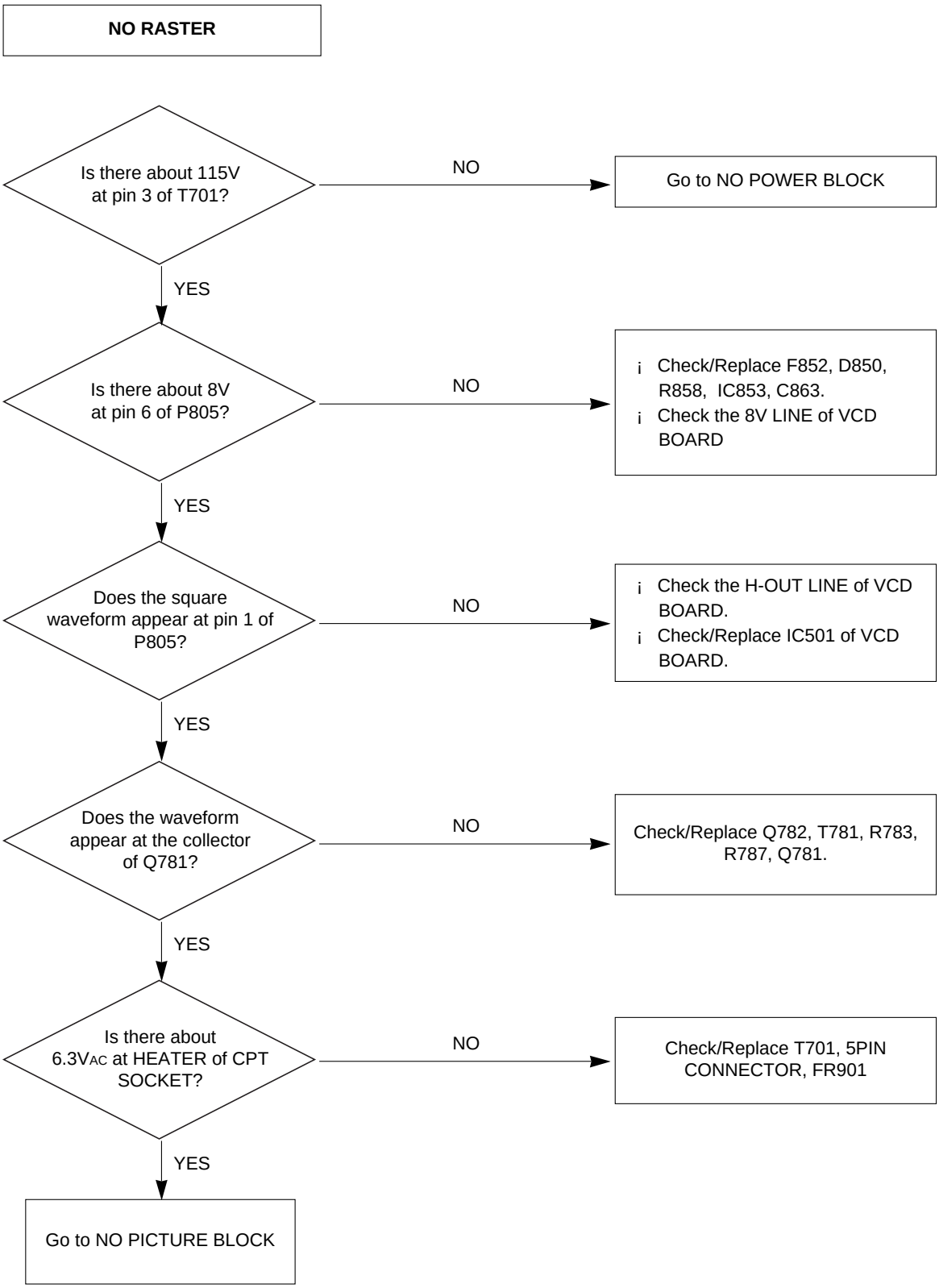
9) Vertical S-Correction Adjustment
- ¤ Select S-COL mode with PR +/- Key.
- ¤Ł Press VOL +/- Key until the grid of Cross Hatch Pattern is even all over the screen.

TROUBLE SHOOTING

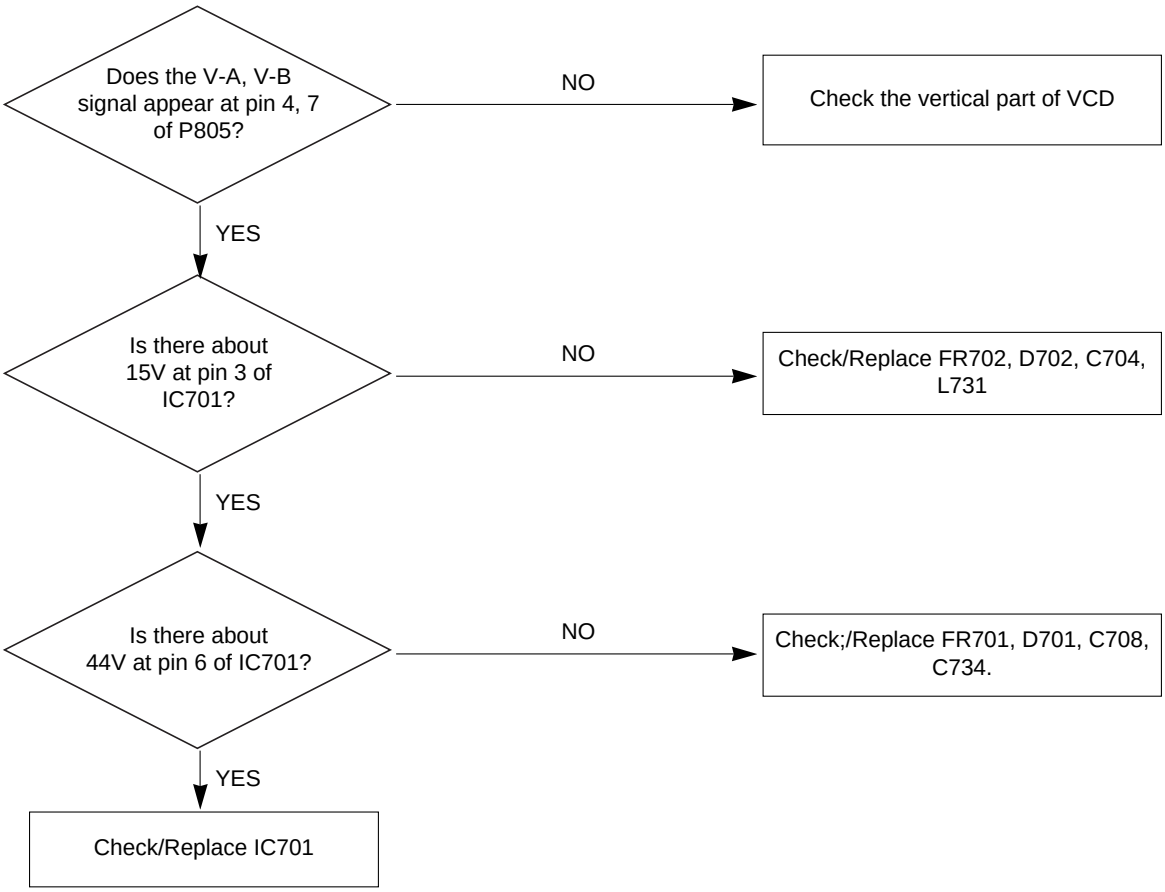

NO POWER : NO STAND-BY
Check if the Fuse is O.K.?
NO
Replace the Fuse
YES
Is there voltage at pin 9 of T801?
NO
Check/Replace DB801, R801, C806.
YES
Is there about 6.1V at pin 9 of IC801?
NO
Check/Replace D806, Q801, R807, ZD801, C814, IC801.
YES
Is there about 11V at '+' terminal of C856?
NO
¡ Check/Replace FR851, D852, C856, Q860, Q861, Q862, ZD860, ZD861, R874.
¡ Check the pin 11 of P804 : 'LOW"
YES
Is there about 6V at pin 9 of P804?
NO
Check/Replace IC857, D859, F852, C875
YES
Check the 6V Line of MAIN 1 BOARD

NO POWER : NO MONITOR ON

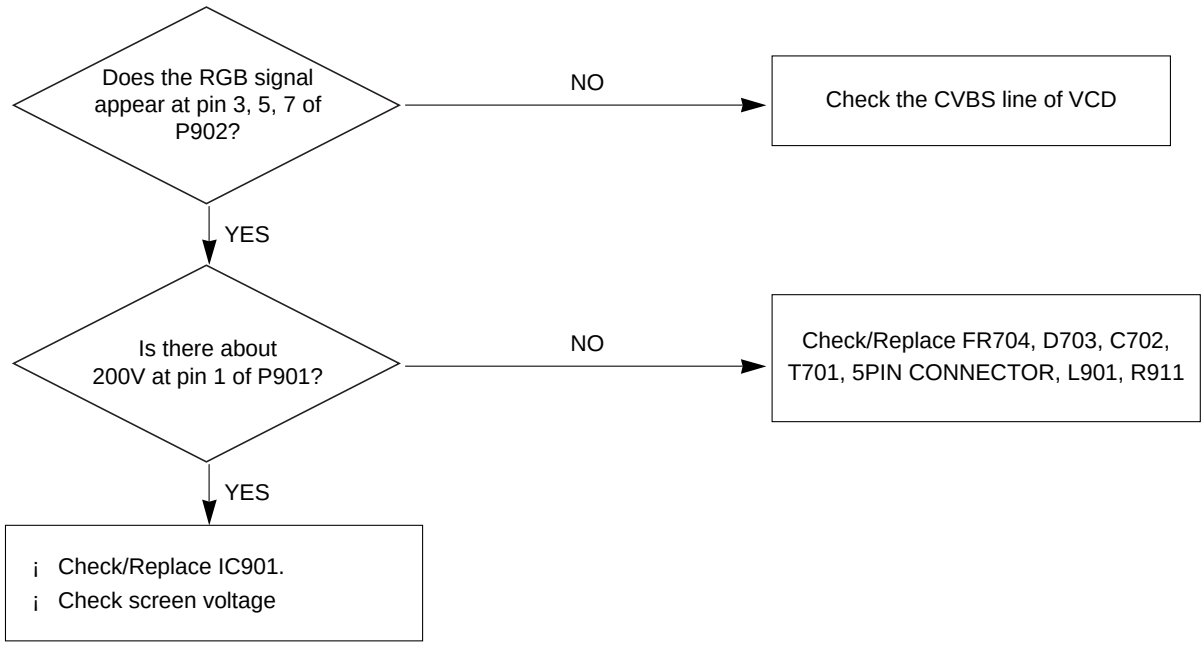


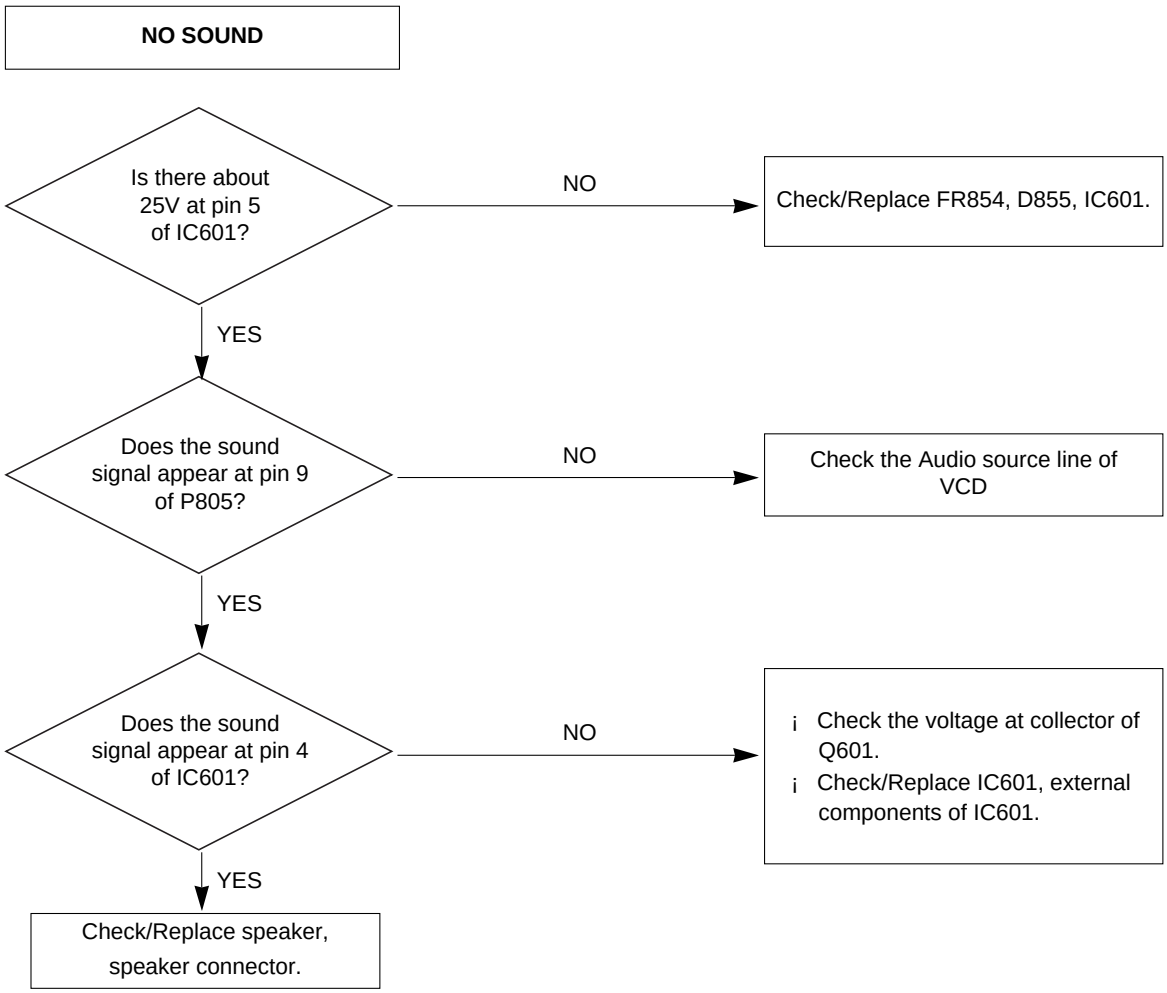

NO RASTER
Is there about 115V at pin 3 of T701?
NO
Go to NO POWER BLOCK
YES
Is there about 8V at pin 6 of P805?
NO
¡ Check/Replace F852, D850, R858, IC853, C863.
¡ Check the 8V LINE of VCD BOARD
YES
Does the square waveform appear at pin 1 of P805?
NO
¡ Check the H-OUT LINE of VCD BOARD.
¡ Check/Replace IC501 of VCD BOARD.
YES
Does the waveform appear at the collector of Q781?
NO
Check/Replace Q782, T781, R783, R787, Q781.
YES
Is there about 6.3VAC at HEATER of CPT SOCKET?
NO
Check/Replace T701, 5PIN CONNECTOR, FR901
YES
Go to NO PICTURE BLOCK

V. Deflection ERROR

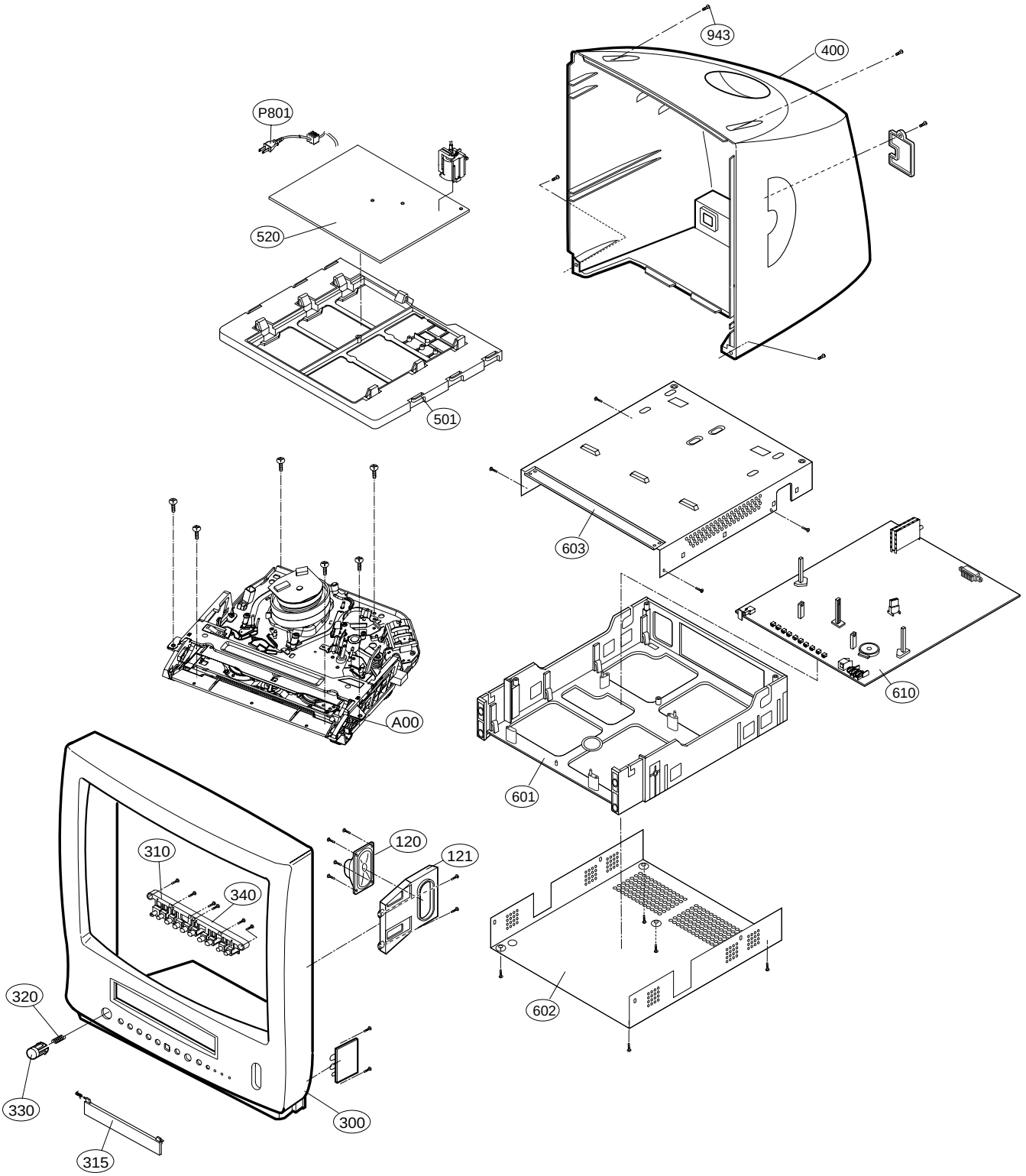

Does the V-A, V-B signal appear at pin 4, 7 of P805?
NO
Check the vertical part of VCD
YES
Is there about 15V at pin 3 of IC701?
NO
Check/Replace FR702, D702, C704, L731
YES
Is there about 44V at pin 6 of IC701?
NO
Check;/Replace FR701, D701, C708, C734.
YES
Check/Replace IC701

NO PICTURE


Does the RGB signal appear at pin 3, 5, 7 of P902?
NO
Check the CVBS line of VCD
YES
Is there about 200V at pin 1 of P901?
NO
Check/Replace FR704, D703, C702, T701, 5PIN CONNECTOR, L901, R911
YES
¡ Check/Replace IC901.
¡ Check screen voltage


NO SOUND
Is there about 25V at pin 5 of IC601?
NO
Check/Replace FR854, D855, IC601.
YES
Does the sound signal appear at pin 9 of P805?
NO
Check the Audio source line of VCD
YES
Does the sound signal appear at pin 4 of IC601?
NO
¡ Check the voltage at collector of Q601.
¡ Check/Replace IC601, external components of IC601.
YES
Check/Replace speaker, speaker connector.

EXPLODED VIEW:14P2



REPLACEMENT PARTS LIST

1. Mechanical Section

NSP : Not Service Part

S	AL	LOCA.NO	PART NO(GS)	DESCRIPTION	SPECIFICATION	REMARKS
				ASSEMBLY PARTS SECTION		
		A00	6721R-0105A	DECK ASSY	D33 (2HD, NP, VCR)	
		A01	6723R-0101B	DRUM ASSY	D33-2CH SP/EP (5M2)	
	OR	A01	6723R-B101B	DRUM(CIRC) ASSY	D33-2CH SP/EP (5M2)	
	OR	A01	6723R-D101B	DRUM(CIRC) ASSY	D33-2CH SP/EP (5M2)	
		A02	4261R-0012A	ARM ASSY	T/UP	
		A03	4261R-0003A	ARM ASSY	CLEANER	
		A04	4811R-0011A	BRACKET ASSY	L/D MOTOR	
		A11	4470R-0028A	GEAR ASSY	P3	
		A12	4470R-0026A	GEAR ASSY	P2	
		A21	4931R-0015A	HOLDER ASSY	CST	
		A22	4811R-0014A	BRACKET ASSY	DOOR	
		A23	4261R-0010A	ARM ASSY	F/L	
		A24	4510R-0019A	LEVER ASSY	SWITCH	
				PARTS SECTION		
		001	6723R-0104B	DRUM ASSY	SUB D33-2CH SP/EP (5M2)	
		002	4680RB0004A	MOTOR(MECH)	DRUM F2OEL-81 SANKYO D33	
	OR	002	4680RB0005A	MOTOR(MECH)	DRUM GVD-033A LGEC D33	
		003	4930R-0106A	HOLDER	FPC(2CH)	
		004	5006R-0014A	CAP	FPC	
		005	276-100A	CAP	A CLEANER	NSP
		006	434-242A	ROLLER	CLEANER	NSP
		007	4260R-0009A	ARM	CLEANER	NSP
		008	4970R-0043A	SPRING	T/UP	
		009	4260R-0011A	ARM	T/UP	
		010	4770R-0004A	BAND(MECH) ASSY	TENSION	
		011	4261R-0004A	ARM ASSY	TENSION	
		012	3041R-0003A	BASE ASSY	P2	
	OR	012	3041R-0003B	BASE ASSY	P2 (D/C)	
		013	3041R-0004A	BASE ASSY	P3	
	OR	013	3041R-0004B	BASE ASSY	P3 (D/C)	
		014	3041R-0007A	BASE ASSY	P4	
		015	5870R-0001A	OPENER	LID	
		016	3041R-0005A	BASE ASSY	A/C HEAD(LGEC)	
		017	4408R-0001A	REEL	S	
		018	4970R-0054A	SPRING	SB	
		019	4421R-0003A	BRAKE ASSY	S	
		020	4970R-0053A	SPRING	TB	
		021	4421R-0004A	BRAKE ASSY	T	
		022	523-833B	HEAD	FE D33. LG C&D/ST	
		023	4980R-0010A	SUPPORTER	CST	
		024	4261R-0008A	ARM ASSY	IDLER	
		025	4810R-0053A	BRACKET	L/D MOTOR	NSP
		026	4681R-0007A	MOTOR ASSY	L/D	NSP
		027	4470R-0025A	GEAR	WHEEL	NSP
		028	4408R-0002A	REEL	T	
		029	4261R-0011A	ARM ASSY	PINCH (MOLD BEARING)	
		031	4970R-0052A	SPRING	TENSION	

S	AL	LOCA.NO	PART NO(GS)	DESCRIPTION	SPECIFICATION	REMARKS
		032	3141R-0002A	CHASSIS ASSY	D33	NSP
		051	4400R-0005A	BELT	CAPSTAN	
		052	4680RA0002A	MOTOR(MECH)	CAPSTAN F2QSB SANKYO D33	
	OR	052	4680RA0003A	MOTOR(MECH)	CAPSTAN GVC-033A LGEC D33	
		053	4974R-0018A	GUIDE	RACK F/L	
		054	4470R-0037A	GEAR	RACK F/L	
		055	4470R-0033A	GEAR	DRIVE	
		056	4470R-0032A	GEAR	CAM	
		057	4470R-0036B	GEAR	CONNECT	
		060	4510R-0025A	LEVER	F/R	
		061	4265R-0002A	CLUTCH ASSY	D33	
		062	4470R-0044A	GEAR ASSY	UP/D	
		063	4970R-0051A	SPRING	UP/D	
		064	4470R-0034A	GEAR	SECTOR	
		065	4510R-0016A	LEVER	P3	NSP
		066	4970R-0046A	SPRING	L/D	NSP
		067	4470R-0029A	GEAR	P3	NSP
		068	4470R-0027A	GEAR	P2	NSP
		069	4970R-0046A	SPRING	L/D	NSP
		070	4510R-0015A	LEVER	P2	NSP
		077	3300R-0157A	PLATE	SLIDER	
		078	4510R-0022A	LEVER	TENSION	
		079	3040R-0018A	BASE	TENSION	
		100	3301R-0029A	PLATE ASSY	TOP	
		101	4810R-0056A	BRACKET	SIDE(L)	
		102	4510R-0023A	LEVER	STOPPER(L)	NSP
		103	4930R-0099A	HOLDER	SIDE(L)	NSP
		104	4974R-0019A	GUIDE	CST	
		105	4930R-0098A	HOLDER	CST	NSP
		106	4930R-0100A	HOLDER	SIDE(R)	NSP
		107	4510R-0024A	LEVER	STOPPER(R)	NSP
		108	4810R-0055A	BRACKET	SIDE(R)	NSP
		109	5870R-0002A	OPENER	DOOR	NSP
		110	4260R-0018A	ARM	F/L(L)	NSP
		111	4970R-0055A	SPRING	F/L(L)	NSP
		112	3070R-0001A	BODY	F/L	NSP
		113	4970R-0056A	SPRING	F/L(R)	NSP
		114	4260R-0019A	ARM	F/L(R)	NSP
		115	4970R-0050A	SPRING	SWITCH	
		116	4510R-0020A	LEVER	SWITCH	
SCREW						
		401	1MPK0261418	PAN HEAD MACHINE SCREW +, -	+ D2.6 L4.0 MSWR3/FZY	
		406	1MEC0302018	PAN HEAD MACHINE SCREW S/W+	D3.0 L6.0 MSWR3/FZY	
		407	1APF0201718	SCREW TAP TITE(B), PAN HEAD	+ D2.0 L5.0 MSWR3/FZY	
		409	1MGC0302418	PAN HEAD MACN SCREW S/P WASH +	D3.0 L8.0, MSWR3/FZY	
		410	1APF0262218	SCREW TAP TITE(B), PAN HEAD	+ D2.6 L6.8 MSWR3/FZY	
		426	1MPC0302018	PAN HEAD MACHINE SCREW +!	D3.0 L6.0 MSWR3/FZY	
NUT, WASHER						
		504	354-001B	WASHER	P.S D3.1XD6X0.5T	
		517	1WZZR-0004B	WASHER	STOPPER	
		518	1WZZR-0004A	WASHER	STOPPER	

EXPLODED VIEW PARTS LIST

The components identified by mark ⚠ is critical for safety.
Replace only with part number specified.

LOCA. NO	PART NO	DESCRIPTIONS
⚠ 112	2055-00744L	CPT SET A34KPU02XX 00N7ND
120	6400VA0019B	SPEAKER,G9050402(C93H)8 OHM
121	4810V00205A	BRACKET,SPK
⚠ 150	150-D02B	COIL,DEGAUSSING,CU 14” 42T 5.7 OHM
⚠ 153	153-113V	DY,DCAD2-14SNAB
⚠ 170	170-A01E	LEAD SET,CPT EARTH
300	3091V00251G	CABINET ASSY(BLUE)
	3091V00251C	CABINET ASSY(GREEN)
	3091V00251H	CABINET ASSY(PINK)
310	5020V00382A	BUTTON,CONTROL
315	3580V00014J	DOOR,CST(BLUE)
	3580V00014K	DOOR,CST(PINK)
	3580V00014W	DOOR,CST(GREEN)
320	320-075B	SPRING,KNOB
330	5020V00381A	BUTTON,POWER
340	5020V00383A	BUTTON,CONTROL
400	3809V00185B	BACK COVER ASSY(GREEN)
	3809V00185C	BACK COVER ASSY(BLUE)
	3809V00185D	BACK COVER ASSY(PINK)
501	4810V00012A	BRACKET,SMPS
520	6871VDM105A	PWB ASSY,MAIN2 14”,NARROW
601	4810V00195C	BRACKET,MAIN
602	4814V00158B	SHIELD,BOTTOM
603	4814V00157E	SHIELD,TOP CASE
610	6871VMM449A	PWB ASSY,MAIN KE,E/D/F,W/TXT,SCART
	6871VMM449B	PWB ASSY,MAIN KE,E/D/F,W/O TXT,SCART
	6871VMM449C	PWB ASSY,MAIN KL,E/D/F,W/O TXT,SCART
	6871VMM449D	PWB ASSY,MAIN KE,E/I/S,W/TXT,SCART
913	332-057A	SCREW ASSY,HEXAGON HEAD
943	1PTF0403116	SCREW,TAP TITE D4.0 L16.0
A00	6721R-0105B	DECK ASSY,D33(TV-33A2OMO 1KT2,2HD,NP
⚠ P801	174-009V	CORD,POWER(W/HOLD,HOUSING)L=400,4.0
	174-224G	CORD,POWER H03VVH2-F

The components identified by mark ⚠ is critical for safety.
Replace only with part number specified.

REPLACEMENT PARTS LIST

LOCA. NO	PART NO	DESCRIPTION
		IC
IC01	0IGS899602A	IC,LG8996-02A(GMS3977R-AA70F) 100
"	0IGS899603A	IC,LG8996-03A
IC01S	0ITO123800A	IC,TA1238N SECA
IC02	0IAL241600B	IC,AT24C16-10PC 8D EEPROM 16K
IC03	0ISS753300A	IC,KA7533Z RESET T0-92 TP 3.3V
IC04	0ISS753300A	IC,KA7533Z RESET T0-92 TP 3.3V
IC05	0ISA164500B	IC,LB1645N 10SIP BK MOTOR DRIVE I
IC06	0IMI350410R	IC,M35041-091FP 20SOP TP OSD
IC100	0ITF448800A	IC,U4488B 16DIP BK SIF+AM DEMODUL
IC101	0ISG405200B	IC,HCF4052BE 16P DIP BK
IC200	0ISA701600A	IC,LA7016 8S ANALOG S/W
IC201	0ISA701600A	IC,LA7016 8S ANALOG S/W
IC202	0ISA722200A	IC,LA7222 (1280 AUDIO)
IC301	0ISA715980A	IC,LA71598M 100QFP BK AVCP
IC500	0IPH884212A	IC,TDA8842(S1)/N2 56P,SDIP BK MUL
"	0IPH884112A	IC,TDA8841(S1)/N2 56P,SDIP *KE-
IC601	0ISG200600A	IC,TDA2006 5Z 1CHX10W AUDIO AMP.
IC701	0IPH835050A	IC,TDA8350Q/N6 13P,SIP BK V/DEF+E
IC801	0ISK670700B	IC,STR/S6707(LF.953) 9P (R5,R6)
⚠ IC802	0ISH123200B	IC,PC123 FY2 PHOTO COUPLER
⚠ IC803	0ISH123200B	IC,PC123 FY2 PHOTO COUPLER
IC851	0ISK110000A	IC,SE110N(LF12) 3P 110V ERROR AMP
IC852	0ISH052100A	IC,PQ05RF21 4P(TO-220) 5V S/W REG
IC853	0IKE780800J	IC,KIA7808API 3 ST REGULATOR .
IC855	0ISS781200H	IC,KA78R12 4P,TO-220F BK LOW DROP
IC856	0ISS781200H	IC,KA78R12 4P,TO-220F BK LOW DROP
IC857	0IKE780600F	IC,KA7806API 3 ST REGULATOR
IC901	0IPH610700A	IC,TDA6107Q SIP9 BK VIDEO OUT AMP
		DIODE
D01	0DD400309AD	DIODE,IN4003A RECT K-ROHM
D02	0DD400309AD	DIODE,IN4003A RECT K-ROHM
D03	0DD414809ED	DIODE,1N4148 TA
D04	0DD414809ED	DIODE,1N4148 TA
D05	0DD414809ED	DIODE,1N4148 TA
D07	0DD414809ED	DIODE,1N4148 TA
D18	0DD400309AD	DIODE,IN4003A RECT K-ROHM
D20	0DD414809ED	DIODE,1N4148 TA
D21	0DD414809ED	DIODE,1N4148 TA
D22	0DD414809ED	DIODE,1N4148 TA
D26	0DD400309AD	DIODE,IN4003A RECT K-ROHM
D100	0DD414809ED	DIODE,1N4148 TA
D101	0DD859009AA	DIODE,SILICON MA859
D102	0DD859009AA	DIODE,SILICON MA859
D301	0DD414809ED	DIODE,1N4148 TA
D500	0DD414809ED	DIODE,1N4148 TA
D501	0DD414809ED	DIODE,1N4148 TA
D502	0DD414809ED	DIODE,1N4148 TA
D503	0DD414809ED	DIODE,1N4148 TA
D504	0DD414809ED	DIODE,1N4148 TA
D505	0DD414809ED	DIODE,1N4148 TA

LOCA. NO	PART NO	DESCRIPTION
D506	0DD414809ED	DIODE,1N4148 TA
D507	0DD414809ED	DIODE,1N4148 TA
D509	0DD414809ED	DIODE,1N4148 TA
D510	0DD859009AA	DIODE,SILICON MA859
D511	0DD859009AA	DIODE,SILICON MA859
D512	0DD181009AB	DIODE,SWITCHING KDS181 85V 300MA
D602	0DD414809ED	DIODE,1N4148 TA
D603	0DD414809ED	DIODE,1N4148 TA
D701	0DD060009AC	DIODE,TVR06J 0.6A/600V 250NS
D702	0DD150009CA	DIODE,RECTIFIER RGP15J,TP(52MM)
D703	0DD060009AC	DIODE,TVR06J 0.6A/600V 250NS
D704	0DD414809ED	DIODE,1N4148 TA
D781	0DD150009CA	DIODE,RECTIFIER RGP15J,TP(52MM)
D805	0DD150009CE	DIODE,GP15J TP (1.5A/600V) GI
D806	0DD060009AC	DIODE,TVR06J 0.6A/600V 250NS
D807	0DD060009AC	DIODE,TVR06J 0.6A/600V 250NS
D808	0DD060009AC	DIODE,TVR06J 0.6A/600V 250NS
D809	0DD100009AL	DIODE,EH-1ZV(1)
D810	0DD414809ED	DIODE,1N4148 TA
D811	0DD414809ED	DIODE,1N4148 TA
D850	0DD060009AC	DIODE,TVR06J 0.6A/600V 250NS
D851	0DD560009AA	DIODE,RECTIFIER BYT56M
D852	0DD100009AE	DIODE,RECTIFIER RU1A V(1)
D853	0DD420000BB	DIODE,D4L20U SHINDENGEN
D854	0DD420000BB	DIODE,D4L20U SHINDENGEN
D855	0DD360009AA	DIODE,RECTIFIER BYW36 TP(2A/600V)
D858	0DD414809ED	DIODE,1N4148 TA
D859	0DD360009AA	DIODE,RECTIFIER BYW36 TP(2A/600V)
D860	0DD060009AC	DIODE,TVR06J 0.6A/600V 250NS
D904	0DD400309AD	DIODE,IN4003A RECT K-ROHM TP
⚠ DB801	0DD260000BD	DIODE,BRIDGE D2SBA60
ZD01	0DZ680009BB	DIODE,ZENER MTZJ6.8B TP ROHM-K
ZD02	0DZ510009AB	DIODE,ZENER MTZ5.1B,TP(52MM),ROHM
ZD100	0DZ330009BA	DIODE,ZENER HZT33(TP) HITACHI
ZD500	0DZ180009AG	DIODE,ZENER MTZJ18B TP ROHM-K
ZD601	0DZ620009BB	DIODE,ZENER MTZJ6.2B TP ROHM-K
ZD701	0DZ820009AH	DIODE,ZENER MTZJ8.2B TP ROHM-K
ZD702	0DZ820009AH	DIODE,ZENER MTZJ8.2B TP ROHM-K
ZD801	0DZ680009BB	DIODE,ZENER MTZJ6.8B TP ROHM-K
ZD860	0DZ110009AD	DIODE,ZENER MTZJ11B TP ROHM-K
ZD861	0DZ360009DA	DIODE,ZENER MTZ3.6B,(52MM) TP
ZD901	0DZ750009AG	DIODE,ZENER MTZJ7.5B TP ROHM-K
ZD902	0DZ750009AG	DIODE,ZENER MTZJ7.5B TP ROHM-K
ZD903	0DZ750009AG	DIODE,ZENER MTZJ7.5B TP ROHM-K
ZD904	0DZ750009AG	DIODE,ZENER MTZJ7.5B TP ROHM-K
		TRANSISTOR
Q02S	0TR150400BA	TR,CHIP 2SA1504S(ASY) KEC
Q03	0TR102009AG	TR,CHIP KRC102S SOT-23 TP KEC
Q03S	0TR387500AA	TR,CHIP 2SC3875S(ALY) KEC
Q04	0TR102009AG	TR,CHIP KRC102S SOT-23 TP KEC
Q07	0TR387500AA	TR,CHIP 2SC3875S(ALY) KEC
Q08	0TR387500AA	TR,CHIP 2SC3875S(ALY) KEC

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LOCA. NO	PART NO	DESCRIPTION
Q100	0TR102009AG	TR,CHIP KRC102S SOT-23 TP KEC
Q104	0TR387500AA	TR,CHIP 2SC3875S(ALY) KEC
Q105	0TR387500AA	TR,CHIP 2SC3875S(ALY) KEC
Q106	0TR387500AA	TR,CHIP 2SC3875S(ALY) KEC
Q108	0TR388109AA	TR,KTC3881 CHIP KEC
Q109	0TR387500AA	TR,CHIP 2SC3875S(ALY) KEC
Q110	0TR387500AA	TR,CHIP 2SC3875S(ALY) KEC
Q111	0TR387500AA	TR,CHIP 2SC3875S(ALY) KEC
Q112	0TR102009AG	TR,CHIP KRC102S SOT-23 TP KEC
Q113	0TR102009AG	TR,CHIP KRC102S SOT-23 TP KEC
Q200	0TR387500AA	TR,CHIP 2SC3875S(ALY) KEC
Q201	0TR387500AA	TR,CHIP 2SC3875S(ALY) KEC
Q203	0TR387500AA	TR,CHIP 2SC3875S(ALY) KEC
Q204	0TR150400BA	TR,CHIP 2SA1504S(ASY) KEC
Q205	0TR387500AA	TR,CHIP 2SC3875S(ALY) KEC
Q206	0TR150400BA	TR,CHIP 2SA1504S(ASY) KEC
Q207	0TR150400BA	TR,CHIP 2SA1504S(ASY) KEC
Q208	0TR102009AG	TR,CHIP KRC102S SOT-23 TP KEC
Q300	0TR387500AA	TR,CHIP 2SC3875S(ALY) KEC
Q301	0TR387500AA	TR,CHIP 2SC3875S(ALY) KEC
Q303	0TR150400BA	TR,CHIP 2SA1504S(ASY) KEC
Q304	0TR320509AB	TR,KTC3205-Y (KTC2236A) TP KEC
Q305	0TR387500AA	TR,CHIP 2SC3875S(ALY) KEC
Q306	0TR387500AA	TR,CHIP 2SC3875S(ALY) KEC
Q307	0TR150400BA	TR,CHIP 2SA1504S(ASY) KEC
Q308	0TR150400BA	TR,CHIP 2SA1504S(ASY) KEC
Q309	0TR387500AA	TR,CHIP 2SC3875S(ALY) KEC
Q312	0TR126609AA	TR,KTA1266-TP-Y (KTA1015) KEC
Q500	0TR387500AA	TR,CHIP 2SC3875S(ALY) KEC
Q501	0TR387500AA	TR,CHIP 2SC3875S(ALY) KEC
Q502	0TR102009AG	TR,CHIP KRC102S SOT-23 TP KEC
Q504	0TR150400BA	TR,CHIP 2SA1504S(ASY) KEC
Q505	0TR387500AA	TR,CHIP 2SC3875S(ALY) KEC
Q506	0TR387500AA	TR,CHIP 2SC3875S(ALY) KEC
Q507	0TR150400BA	TR,CHIP 2SA1504S(ASY) KEC
Q508	0TR387500AA	TR,CHIP 2SC3875S(ALY) KEC
Q509	0TR150400BA	TR,CHIP 2SA1504S(ASY) KEC
Q510	0TR102009AG	TR,CHIP KRC102S SOT-23 TP KEC
Q601	0TR319809AA	TR,KTC3198-TP-Y (KTC1815)KEC
Q602	0TR319809AA	TR,KTC3198-TP-Y (KTC1815)KEC
Q781	0TR570200AA	TR,KSD5702 BK SAMSUNG TO3PF H-OUT
Q782	0TR320709AA	TR,KTC3207,TP(KTC2482),KEC
Q801	0TR385200AA	TR,2SC3852A SANKEN
Q853	0TR319809AA	TR,KTC3198-TP-Y (KTC1815)KEC
Q854	0TR319809AA	TR,KTC3198-TP-Y (KTC1815)KEC
Q860	0TR319809AA	TR,KTC3198-TP-Y (KTC1815)KEC
Q861	0TR322809AA	TR,KTC3228-0 TP(KTC2383),KEC
Q862	0TR968000AA	TR,KTA968A-Y KEC

CAPACITOR

C04S	0CC1500K415	15P 50V J
C04J	0CN4710K519	470P 50V K B TA52

LOCA. NO	PART NO	DESCRIPTION
C05S	0CE107DF618	100UF STD 16V M
C06	0CE3363F618	33UF SRE 16V M
C06J	0CN1010K519	100P 50V K B TA52
C07	0CN2230H949	22000P 25V Z FTA52
C08S	0CE225DK618	2.2000UF STD 50V M
C09	0CE2263F618	22UF SRE 16V M
C10	0CC1800K415	18P 50V J NPO TP
C11	0CC1800K415	18P 50V J NPO TP
C12S	0CE107DF618	100UF STD 16V M
C14S	0CE474DK618	0.4700UF STD 50V M
C16	0CE4763F618	47UF SRE 16V M
C16S	0CN1030F679	10000P 16V M
C17S	0CE474DK618	0.4700UF STD 50V M
C19S	0CE106DF618	10UF STD 16V M
C32	0CE4753K618	4.7UF SRE 50V M
C36	0CQ4731N509	0.047U 100V K
C37	0CN1040K949	0.1M 50V Z
C38	181-007C	ECQ-V1H104JL3(TR)50V 0.1
C39	0CE4753K618	4.7UF SRE 50V M
C45	0CE107DF618	100UF STD 16V M
C47	0CE1074F618	100UF SRA 16V M
C48	0CE477DF618	470UF STD 16V M
C50	0CE4763F618	47UF SRE 16V M
C51	0CN1040K949	0.1M 50V Z
C52	0CE4763F618	47UF SRE 16V M
C53	0CE4763F618	47UF SRE 16V M
C54	181-002B	SUPER CAP.FSOH473Z
C55	0CQ3332K439	0.0330UF S 50V J
C56	0CE4763F618	47UF SRE 16V M
C58	0CE4763F618	47UF SRE 16V M
C61	0CE1063F616	10UF SRE 16V M
C63	0CE4763F618	47UF SRE 16V M
C72	0CC8200K415	82P 50V J
C73	0CC4700K415	47P 50V J
C74	0CE1053K618	1UF SRE 50V M
C80	0CE4763F618	47UF SRE 16V M
C84	0CE4763F618	47UF SRE 16V M
C85	0CE107DF618	100UF STD 16V M
C88	0CN1030F679	10000P 16V M Y
C100	0CE476DK618	47UF STD 50V M
C101	181-007C	ECQ-V1H104JL3(TR)50V 0.1
C105	0CE476DH618	47UF STD 25V M
C106	0CE475DK618	4.7000UF STD 50V M
C108	0CE476DF618	47UF STD 16V M
C111	0CN2230H949	22000P 25V Z
C114	0CN1030F679	10000P 16V M
C115	0CE107DF618	100UF STD 16V M
C118	0CE4753K618	4.7UF SRE 50V M
C119	0CE4753K618	4.7UF SRE 50V M
C120	181-007C	ECQ-V1H104JL3(TR)50V 0.1
C122	0CE476DK618	47UF STD 50V M FL TP5
C127	181-007C	ECQ-V1H104JL3(TR)50V 0.1

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LOCA. NO	PART NO	DESCRIPTION
C130	0CE476DF618	47UF STD 16V M
C132	0CE107DF618	100UF STD 16V M
C133	0CE107DD618	100UF STD 10V M
C200	0CE106DF618	10UF STD 16V M
C201	0CE475DK618	4.7000UF STD 50V M
C202	0CE476DF618	47UF STD 16V M
C203	0CE107DF618	100UF STD 16V M
C204	0CE476DF618	47UF STD 16V M
C207	0CE106DF618	10UF STD 16V M
C210	0CE474DK618	0.4700UF STD 50V M
C214	0CE475DK618	4.7000UF STD 50V M
C220	0CE107DF618	100UF STD 16V M
C223	0CE106DF618	10UF STD 16V M
C224	0CE476DF618	47UF STD 16V M
C226	0CE337DF618	330UF STD 16V M
C227	0CN4710K519	470P 50V K B TA52
C234	0CE1063F618	10UF SRE 16V M
C235	0CE106DF618	10UF STD 16V M
C237	0CE1063F618	10UF SRE 16V M
C238	0CE106DF618	10UF STD 16V M
C241	0CE475DK618	4.7000UF STD 50V M
C244	0CE106DF618	10UF STD 16V M
C302	0CQ1031N509	0.01U 100V K
C303	0CE4753K618	4.7UF SRE 50V M
C305	0CQ1531N509	0.015U 100V K
C306	0CE4763F618	47UF SRE 16V M
C307	0CQ2231N509	0.022U 100V K
C309	0CE1074F618	100UF SRA 16V M
C310	0CQ2221N509	0.0022U 100V K
C313	0CE1053K618	1UF SRE 50V M
C316	0CE1053K618	1UF SRE 50V M
C329	0CE1063F618	10UF SRE 16V M
C330	0CE1063F618	10UF SRE 16V M
C332	0CE2253K618	2.2000UF SRE 50V M
C333	0CN1040K949	0.1M 50V Z
C334	0CN1040K949	0.1M 50V Z
C335	0CN1040K949	0.1M 50V Z
C336	0CN2230H949	22000P 25V Z
C338	0CE4763F618	47UF SRE 16V M
C340	0CE4763F618	47UF SRE 16V M
C341	0CE1053K618	1UF SRE 50V M
C342	0CE1063F618	10UF SRE 16V M
C343	0CE1053K618	1UF SRE 50V M
C347	0CN1030F679	10000P 16V M
C350	0CE1074F618	100UF SRA 16V M
C351	0CE4763F618	47UF SRE 16V M
C353	0CN1030F679	10000P 16V M
C355	0CE4753K618	4.7UF SRE 50V M
C356	0CN2230H949	22000P 25V Z
C357	0CE4753K618	4.7UF SRE 50V M
C359	0CE1053K618	1UF SRE 50V M
C365	0CE4763F618	47UF SRE 16V M

LOCA. NO	PART NO	DESCRIPTION
C367	0CQ2242K439	0.2200UF S 50V J
C368	0CE1063F618	10UF SRE 16V M
C369	0CQ2242K439	0.2200UF S 50V J
C370	0CE3363F618	33UF SRE 16V M
C371	0CQ2242K439	0.2200UF S 50V J
C377	0CE1074F618	100UF SRA 16V M
C379	0CE1053K618	1UF SRE 50V M
C381	0CE335DK618	3.3000UF STD 50V M
C389	0CE2263F618	22UF SRE 16V M
C390	0CE2253K618	2.2000UF SRE 50V M
C396	0CE107DF618	100UF STD 16V M
C398	0CE475DK618	4.7000UF STD 50V M
C504	0CE225DK618	2.2000UF STD 50V M
C506	0CE476DF618	47UF STD 16V M FL TP5
C507	181-007F	ECQ-V1H224JL3(TR)50V 0.2
C509	0CE107DF618	100UF STD 16V M FL TP5
C510	181-007F	ECQ-V1H224JL3(TR)50V 0.2
C512	181-007C	ECQ-V1H104JL3(TR)50V 0.1
C519	0CE104DK618	0.1000UF STD 50V M
C528	0CE1074F618	100UF SRA 16V M
C529	0CQ4731N509	0.047U 100V K
"	0CQ1041N509	0.1U 100V K *KE-
C530	0CC6200K415	62PF 50V J NP0 TR
"	0CQ1021N509	0.001U 100V K *KE-
C531	0CE104DK618	0.1000UF STD 50V M
C532	0CE225DK618	2.2000UF STD 50V M
C534	0CE105DK618	1UF STD 50V M FL TP5
C536	0CE684DK618	0.6800UF STD 50V M
C540	0CQ1041N455	0.1000UF 100V J
C541	0CSZVTA001G	2.2UF 25V K FM5 TP 5
"	0CSZVTA001C	TAP105K025BRS *KE-
C544	0CE106DH618	10UF STD 25V M FL TP5
C545	181-007C	ECQ-V1H104JL3(TR)50V 0.1
C546	0CC2710K415	270P 50V J
C547	0CN2710K519	270P 50V K B TA52
C548	181-007G	ECQ-V1H334JL3(TR)50V 0.3
C601	0CE475DK618	4.7000UF STD 50V M
C602	0CE226DK618	22UF STD 50V M
C603	0CQ3931N509	0.0390UF 100V K
C604	0CE106DH618	10UF STD 25V M
C605	0CQ1041N509	0.1U 100V K
C606	0CE227DJ618	220UF STD 35V M
C607	0CE227DF618	220UF STD 16V M
C608	0CN1010K519	100P 50V K B TA52
C609	0CE106DF618	10UF STD 16V M
C610	0CE475DK618	4.7000UF STD 50V M
C701	181-009V	PP 200V 0.047UF K
C702	0CE226CR618	22UF SHL,SD 250V M
C703	0CK4710W515	470PF 500V K B TR
C704	0CE337DK618	330UF STD 50V M
C705	0CK4710W515	470PF 500V K B TR
C706	0CQ1031N509	0.01U 100V K

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LOCA. NO	PART NO	DESCRIPTION
C708	0CE106DN618	10UF STD 100V M
C709	0CK4710W515	470PF 500V K B TR
C731	0CN1010K519	100P 50V K B TA52
C732	0CQ1041N509	0.1U 100V K
C733	0CE337DK618	330UF STD 50V M
C734	0CE226DN618	22UF STD 100V M
C736	0CQ1031N509	0.01U 100V K
C738	0CN3910K519	390P 50V K B TA52
C739	0CN1040K949	0.1M 50V Z F TA52
C741	0CQ1041N509	0.1U 100V K
C743	0CQ1041N509	0.1U 100V K
C781	181-015G	MPP 1600V 0.0077UF H
C782	0CE105DP618	1UF STD 160V M
C783	0CK3310W515	330P 500V K
C784	0CN3310K519	330P 50V K
C785	0CE225CP618	2.2UF SHL,SD 160V M
C787	181-013B	MPP 200V 0.36UF J
⚠ C801	0CQZVBK002A	A.C 275V 0.1UF M (S=15)
⚠ C802	0CQZVBK002A	A.C 275V 0.1UF M (S=15)
C805	0CK10201515	1000P 1KV K B TS
C806	181-001F	CE 400V 220UF M
C807	0CK10201515	1000P 1KV K B TS
C808	0CK1020W515	1000P 500V K
C809	0CE106DN618	10UF STD 100V M
C810	0CE227DF618	220UF STD 16V M
C811	181-014A	MPP 1600V 0.0022UF J
C812	181-091J	DE1107-486 R 821K 2KV
⚠ C813	181-120K	ACT 4KV E 222M
C814	0CE107DJ618	100UF STD 35V M
C816	0CQ1041N509	0.1U 100V K
C850	0CK4710W515	470PF 500V K
C851	181-091C	DE0705-979 R 471K 1KV
C852	0CK4710W515	470PF 500V K B TR
C853	0CK4710W515	470PF 500V K B TR
C854	0CK4710W515	470PF 500V K B TR
C855	0CK4710W515	470PF 500V K B TR
C856	0CE107DN618	100UF STD 100V M
C857	0CE108DF618	1000UF STD 16V M
C858	0CE108DH618	1000UF STD 25V M
C859	0CE108DJ618	1000UF STD 35V M
C860	0CE227DP61A	220UF STD 160V M
C862	0CE108DF618	1000UF STD 16V M
C863	0CE477DF618	470UF STD 16V M
C865	0CE107CP618	100U SHL 160V M
C866	0CE477DF618	470UF STD 16V M
C867	0CE477DH618	470UF STD 25V M
C868	0CE228DF618	2200UF STD 16V M
C869	181-091C	DE0705-979 R 471K 1KV
C870	0CQ1031N509	0.01U 100V K
C871	0CE106DF618	10UF STD 16V M
C872	0CE106DF618	10UF STD 16V M
C874	0CE477DF618	470UF STD 16V M FL
C875	0CE228DD618	2200UF STD 10V M FL
C876	0CE474CK636	0.47UF SHL,SD 50V M
C901	0CQ1042R539	0.1UF S 250V K M/PE
C904	181-033T	2KV B 222K TP7.5
C905	0CE475DR618	4.7000UF STD 250V M
C906	0CE475DR618	4.7000UF STD 250V M

CORE

FB801	125-022K	CORE (CIRC),FERRITE 1UH
FB802	125-123A	CORE (CIRC),FERRITE BFD3565R2F
FB803	125-022K	CORE (CIRC),FERRITE 1UH
⚠ FB851	125-022K	CORE (CIRC),FERRITE 1UH
L04J	125-022K	CORE (CIRC),FERRITE 1UH
L222	125-022K	CORE (CIRC),FERRITE 1UH
L510	125-022K	CORE (CIRC),FERRITE 1UH
L902	125-022K	CORE (CIRC),FERRITE 1UH

COIL & TRANSFORMER

L01J	0LA0102K119	INDUCTOR,10UH K
L01S	0LA0222K119	INDUCTOR,22UH K
L01	0LA1000K139	INDUCTOR,100UH K
L02J	0LA0102K119	INDUCTOR,10UH K
L02S	0LA0222K119	INDUCTOR,22UH K
L02	0LA1000K139	INDUCTOR,100UH K
L03J	0LA0102K119	INDUCTOR,10UH K
L03	0LA1000K139	INDUCTOR,100UH K
L04	0LA1000K139	INDUCTOR,100UH K
L05J	0LA0101K119	INDUCTOR,1.0UH K
L05	0LA1000K139	INDUCTOR,100UH K
L06	0LA0821K119	INDUCTOR,8.2UH K
L07	0LA0222K119	INDUCTOR,22UH K
L10	0LA1000K119	INDUCTOR,100UH K
L11	0LA0222K119	INDUCTOR,22UH K
L12	0LA0222K119	INDUCTOR,22UH K
L13	0LA0222K119	INDUCTOR,22UH K
L101	0LA0222K119	INDUCTOR,22UH K
L102	150-C01G	COIL,CHOKE 1.0UH A 1105
L103	0LA0102K119	INDUCTOR,10UH K
L104	0LA0102K119	INDUCTOR,10UH K
L105	0LA0102K119	INDUCTOR,10UH K
L106	0LA0122K119	INDUCTOR,12UH K
L107	150-E16C	COIL,IFT VAR,07S 1B 38.9MHZ
L108	0LA0102K139	INDUCTOR,10UH K
L144	0LA0102K119	INDUCTOR,10UH K
L200	0LA0102K119	INDUCTOR,10UH K
L201	0LA0102K119	INDUCTOR,10UH K
L203	0LA0102K119	INDUCTOR,10UH K
L204	0LA0102K119	INDUCTOR,10UH K
L205	0LA0102K119	INDUCTOR,10UH K
L206	0LA0102K119	INDUCTOR,10UH K
L207	0LA1000K119	INDUCTOR,100UH K
L209	0LA1000K119	INDUCTOR,100UH K

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RF : Fusible

LOCA. NO	PART NO	DESCRIPTION
L300	0LA0222K119	INDUCTOR,22UH K
L301	0LA0562K119	INDUCTOR,56UH K
L302	0LA0332K119	INDUCTOR,33UH K
L303	0LA0222K119	INDUCTOR,22UH K
L306	0LA0222K119	INDUCTOR,22UH K
L307	0LA0222K119	INDUCTOR,22UH K
L309	0LA0272K119	INDUCTOR,27UH K
L391	0LA0102K119	INDUCTOR,10UH K
L500	0LA0331K119	INDUCTOR,3.3UH K
L501	0LA0331K119	INDUCTOR,3.3UH K
L502	0LA0821K119	INDUCTOR,8.2UH K
L503	0LA0102K119	INDUCTOR,10UH K
L504	0LA0561K119	INDUCTOR,5.6UH K
L505	0LA0561K119	INDUCTOR,5.6UH K
L506	0LA0561K119	INDUCTOR,5.6UH K
L507	0LA0102K139	INDUCTOR,10UH K
L508	0LA0102K119	INDUCTOR,10UH K
L509	0LA0102K119	INDUCTOR,10UH K
L733	0LA0102K139	INDUCTOR,10UH K
L734	0LA0102K139	INDUCTOR,10UH K
L782	150-L01W	COIL,H-LINEARITY 57UH
L851	150-C02E	COIL,CHOKE 50UH R 1217
L901	0LR0102K520	INDUCTOR,10M K 4X5
T300	633-032N	COIL,CAN BIAC OSC DEO-010 KSE
T301	150-B05C	COIL,L/C FILTER(07S) LPF
⚠ T701	6174Z-6022E	FBT,FTMPN91
⚠ T781	151-C02H	TRANSFORMER,H-DRIVE,EI-19,BULK
⚠ T801	151-A13J	TRANSFORMER,SMPS EER4215 700UH

RESISTOR

F851	180-D02Y	0.045 OHM 1/2 W 10%
F852	180-D02Y	0.045 OHM 1/2 W 10%
F853	180-D02Y	0.045 OHM 1/2 W 10%
⚠ FR701	0RF0561J607	5.60 1W 5% TA62
⚠ FR702	0RF0470J607	0.47 1W 5% TA62
⚠ FR704	0RF0101H609	1.0 1/2W 5 TA52
FR851	0RF0470H609	0.47 1/2W 5 TA52
⚠ FR854	0RF0101J607	1 1W 5% TA62
FR901	180-D02L	CR 2W 2.0 J
FR902	180-D02E	CR 2W 1.0 J
R01J	0RD1000F609	100 1/6W 5 TA52
R01	0RD1001F609	1.0K 1/6W 5 TA52
R02	0RD1001F609	1.0K 1/6W 5 TA52
R02J	0RD2203F609	220K 1/6W 5 TA52
R03	0RD1001F609	1.0K 1/6W 5 TA52
R04J	0RD0752F609	75 1/6W 5% TA
R04	0RD1001F609	1.0K 1/6W 5 TA52
R05J	0RD2000F609	200 1/6W 5 TA52
R06	0RD1001F609	1.0K 1/6W 5 TA52
⚠ R06J	0RD2000F609	200 1/6W 5 TA52
R07J	0RD4300F609	430 1/6W 5 TA52
R08	0RD1001F609	1.0K 1/6W 5 TA52
R08S	0RD5600F609	560 1/6W 5 TA52
R09S	0RD1000F609	100 1/6W 5 TA52
R09	0RD1001F609	1.0K 1/6W 5 TA52
R10	0RD1000F609	100 1/6W 5 TA52
R11	0RD1000F609	100 1/6W 5 TA52
R12	0RD1000F609	100 1/6W 5 TA52
R14	0RD2200F609	220 1/6W 5 TA52
R17	0RD5601F609	5.6K 1/6W 5 TA52
R18	0RD1001F609	1.0K 1/6W 5 TA52
R19	0RD1001F609	1.0K 1/6W 5 TA52
R20	0RD2200F609	220 1/6W 5 TA52
R22	0RD2200F609	220 1/6W 5 TA52
R23	0RD2200F609	220 1/6W 5 TA52
R24	0RD2200F609	220 1/6W 5 TA52
R25	0RD2200F609	220 1/6W 5 TA52
R26	0RD2200F609	220 1/6W 5 TA52
R27	0RD1002F609	10K 1/6W 5 TA52
R28	0RD2200F609	220 1/6W 5 TA52
R31	0RD4701F609	4.70K 1/6W 5% TA52
R33	0RD2200F609	220 1/6W 5 TA52
R38	0RD4701F609	4.70K 1/6W 5% TA52
R42	0RD3300F609	330 1/6W 5 TA52
R43	0RD2200F609	220 1/6W 5 TA52
R45	0RD2200F609	220 1/6W 5 TA52
R46	0RD2200F609	220 1/6W 5 TA52
R55	0RD5600F609	560 1/6W 5 TA52
R57	0RD1000F609	100 1/6W 5 TA52
R59	0RD1801F609	1.8K 1/6W 5 TA52
R67	0RD8201F609	8.2K 1/6W 5 TA52
R68	0RD1801F609	1.8K 1/6W 5 TA52
R69	0RD1001F609	1.0K 1/6W 5 TA52
R74	0RD5602F609	56K 1/6W 5 TA52
R77	0RD1001F609	1.0K 1/6W 5 TA52
R90	0RD2200F609	220 1/6W 5 TA52
R92	0RD4701F609	4.70K 1/6W 5% TA52
R97	0RD5601F609	5.6K 1/6W 5 TA52
R98	0RD5601F609	5.6K 1/6W 5 TA52
R99	0RS0561K607	5.60 2W 5% TA62
R101	0RD4702F609	47K 1/6W 5 TA52
R102	0RD1001H609	1K OHM 1/2 W 5% TA52
R109	0RD3302F609	33K 1/6W 5% TA52
R110	0RD1001F609	1.0K 1/6W 5 TA52
R112	0RD0102F609	10 1/6W 5 TA52
R125	0RD1004F609	1.0M 1/6W 5 TA52
R128	0RD1000F609	100 1/6W 5 TA52
R144	0RD4701F609	4.70K 1/6W 5% TA52
R146	0RD0102F609	10 1/6W 5 TA52
R147	0RD1001F609	1.0K 1/6W 5 TA52
R148	0RD1001F609	1.0K 1/6W 5 TA52
R149	0RD1001F609	1.0K 1/6W 5 TA52
R153	0RD1002F609	10K 1/6W 5 TA52
R154	0RD4701F609	4.70K 1/6W 5% TA52

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LOCA. NO	PART NO	DESCRIPTION
R205	0RD4701F609	4.70K 1/6W 5% TA52
R208	0RD1502F609	15K 1/6W 5 TA52
R214	0RD4700F609	470 1/6W 5 TA52
R215	0RD1000F609	100 1/6W 5 TA52
R219	0RD0682F609	68 1/6W 5 TA52
R220	0RD5101F609	5.1K 1/6W 5 TA52
R221	0RD5101F609	5.1K 1/6W 5 TA52
R224	0RD1001F609	1.0K 1/6W 5 TA52
R235	0RD1000F609	100 1/6W 5 TA52
R237	0RD1002F609	10K 1/6W 5 TA52
R238	0RD1001F609	1.0K 1/6W 5 TA52
R302	0RD1000F609	100 1/6W 5 TA52
R309	0RD5600F609	560 1/6W 5 TA52
R319	0RD1002F609	10K 1/6W 5 TA52
R321	0RD1001F609	1.0K 1/6W 5 TA52
R333	0RD1000F609	100 1/6W 5 TA52
R334	0RD1000F609	100 1/6W 5 TA52
R348	0RD1001F609	1.0K 1/6W 5 TA52
R360	0RD2202F609	22K 1/6W 5 TA52
R361	0RD1001F609	1.0K 1/6W 5 TA52
R363	0RD4702F609	47K 1/6W 5 TA52
R364	0RD4702F609	47K 1/6W 5 TA52
R365	0RD4702F609	47K 1/6W 5 TA52
R380	0RD1000F609	100 1/6W 5 TA52
R381	0RD1000F609	100 1/6W 5 TA52
R382	0RD1000F609	100 1/6W 5 TA52
R508	0RD0472F609	47 1/6W 5% TA
R512	0RD1002F609	10K 1/6W 5 TA52
R515	0RD1001F609	1.0K 1/6W 5 TA52
R516	0RD1001F609	1.0K 1/6W 5 TA52
R517	0RD1001F609	1.0K 1/6W 5 TA52
R521	0RD1003F609	100K 1/6W 5 TA52
R529	0RN3902F409	39K 1/6W 1% TA52
R530	0RD1201F609	1.2K 1/6W 5 TA52
R601	0RD1003F609	100K 1/6W 5 TA52
R602	0RD1003F609	100K 1/6W 5 TA52
R603	0RD5102F609	51K 1/6W 5 TA52
R604	0RS0221H609	2.2 1/2W 5 TA52
R605	0RD6802F609	68K 1/6W 5 TA52
R606	0RD8201F609	8.2K 1/6W 5 TA52
R607	0RD4701F609	4.70K 1/6W 5% TA52
R608	0RD4701F609	4.70K 1/6W 5% TA52
R609	0RD1001F609	1.0K 1/6W 5 TA52
R610	0RD1201F609	1.2K 1/6W 5 TA52
R611	0RD1003F609	100K 1/6W 5 TA52
R702	0RS5101H609	5.1K 1/2W 5 TA52
R703	0RD6201F609	6.2K 1/6W 5 TA52
R704	0RD2003H609	200K 1/2W 5 TA52
R706	0RD4701H609	4.7K 1/2W 5 TA52
R731	0RN2001F409	2K 1/6W 1% TA52
R733	0RN0680J607	0.68 1W 5% TA62
R734	0RD0202F609	20 1/6W 5 TA52

LOCA. NO	PART NO	DESCRIPTION
R735	0RS0222H609	22 1/2W 5 TA52
R739	0RS2200J607	220 1W 5% TA62
R740	0RN3901F409	3.90K 1/6W 1% TA52
R781	0RD0392H609	39 1/2W 5 TA52
R782	0RD3301H609	3.3K 1/2W 5 TA52
R783	0RS5601K607	5.60K 2W 5% TA62
R784	0RD4700F609	470 1/6W 5 TA52
R785	180-B01M	RS RECT S 5W 7.5K J
R786	0RS1801J607	1.80K 1W 5% TA62
R787	0RS6801K607	6.80K 2W 5% TA62
R788	0RD0912F609	91 1/6W 5 TA52
R801	180-A03A	RW RECT G 5W 2.20 J
R805	0RS2202K607	22K 2W 5% TA62
R806	0RS2202K607	22K 2W 5% TA62
R807	0RS1202H609	12K 1/2W 5 TA52
R808	0RD1801F609	1.8K 1/6W 5 TA52
R809	0RD1001F609	1.0K 1/6W 5 TA52
R810	0RS0222K607	22 2W 5% TA62
R811	180-A01H	RW ROUND G 2W 0.27 J
R812	0RD5600F609	560 1/6W 5 TA52
⚠ R813	0RKZVTA001C	8.2M OHM 1/2 W 5%
R816	0RD3900F609	390 1/6W 5 TA52
R821	0RD6801H609	6.8K 1/2W 5 TA52
R822	0RD1000H609	100 OHM 1/2 W 5% TA52
R823	0RD4701F609	4.70K 1/6W 5% TA52
R824	0RD4701F609	4.70K 1/6W 5% TA52
R825	0RD6801F609	6.8K 1/6W 5 TA52
R851	0RD4701F609	4.70K 1/6W 5% TA52
R852	0RD3301F609	3.3K 1/6W 5 TA52
R853	0RD2001F609	2.0K 1/6W 5 TA52
R854	0RD1001F609	1.0K 1/6W 5 TA52
R855	0RD1001F609	1.0K 1/6W 5 TA52
R856	0RD1002F609	10K 1/6W 5 TA52
R857	0RD4701F609	4.70K 1/6W 5% TA52
R858	0RF0470H609	0.47 1/2W 5 TA52
R860	0RS4700J607	470 1W 5% TA62
R865	0RF0101K607	1 2W 5% TA62
R866	0RS0470J607	0.47 1W 5% TA62
R867	0RS0470K607	0.47 2W 5% TA62
R870	0RD1002F609	10K 1/6W 5 TA52
R871	0RD2002F609	20K 1/6W 5 TA52
R872	0RD2002H609	20K 1/2W 5 TA52
R873	0RD1001H609	1K OHM 1/2 W 5% TA52
R874	0RS0102J607	10 1W 5% TA62
R903	0RD2200F609	220 1/6W 5 TA52
R904	0RS1801H609	1.8K 1/2W 5 TA52
R905	0RS1801H609	1.8K 1/2W 5 TA52
R906	0RS1801H609	1.8K 1/2W 5 TA52
R907	0RD2204H609	2.2M 1/2W 5 TA52
R908	0RD2200F609	220 1/6W 5 TA52
R909	0RD2200F609	220 1/6W 5 TA52
R910	0RD1000F609	100 1/6W 5 TA52

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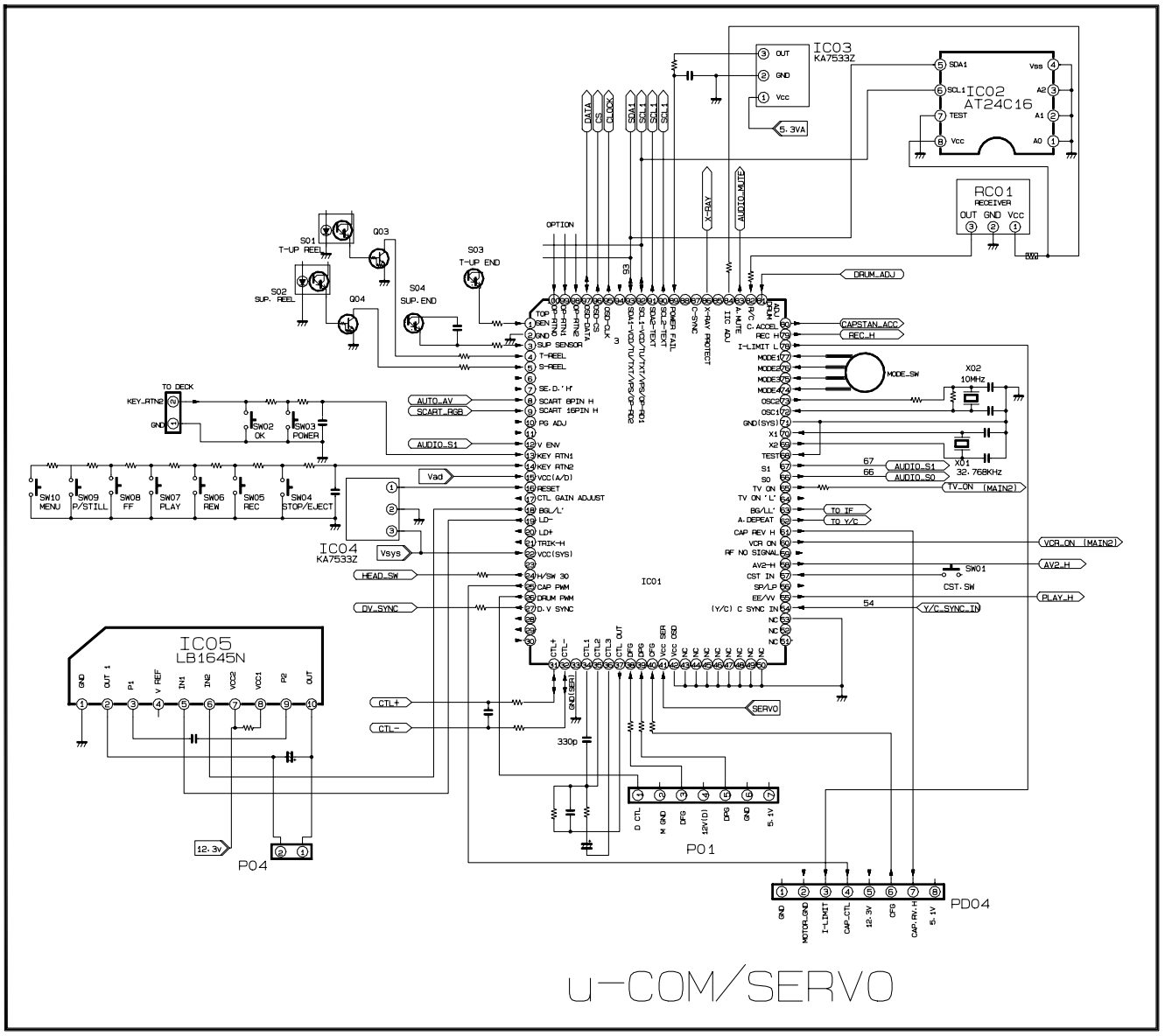
LOCA. NO	PART NO	DESCRIPTION
R911	0RD1000F609	100 1/6W 5 TA52
R912	0RD1000F609	100 1/6W 5 TA52
RA07	0RD3902F609	39K 1/6W 5 TA52
RA11	0RD3902F609	39K 1/6W 5 TA52
RA20	0RD4700F609	470 1/6W 5 TA52
RA22	0RD5600F609	560 1/6W 5 TA52
RA23	0RD4700F609	470 1/6W 5 TA52
RA30	0RD2700F609	270 1/6W 5 TA52
RA33	0RD1202F609	12K 1/6W 5 TA52
RA34	0RD1000F609	100 1/6W 5 TA52
VR01	180-F03M	EVN-DJAA03 B204
SWITCH		
SW01	6600RDB004C	SWITCH,DETECTOR MPU10252MLB4 5V 0.01A
SW03	140-315C	SWITCH,TACT 4LEAD EVQPB905X
SW04	140-315C	SWITCH,TACT 4LEAD EVQPB905X
SW05	140-315C	SWITCH,TACT 4LEAD EVQPB905X
SW06	140-315C	SWITCH,TACT 4LEAD EVQPB905X
SW07	140-315C	SWITCH,TACT 4LEAD EVQPB905X
SW08	140-315C	SWITCH,TACT 4LEAD EVQPB905X
SW11	140-315C	SWITCH,TACT 4LEAD EVQPB905X
SW12	140-315C	SWITCH,TACT 4LEAD EVQPB905X
SW13	140-315C	SWITCH,TACT 4LEAD EVQPB905X
SW14	140-315C	SWITCH,TACT 4LEAD EVQPB905X
⚠ SW804	6600VM1001A	SWITCH,PUSH SDKLA1 250V 5A
FILTER & CRYSTAL		
F100	166-B02C	FILTER(CIRC),SFSH5.5MCB-TF21
F101	166-B02E	FILTER(CIRC),SFSH6.5MCB-TF21
F102	166-B02D	FILTER(CIRC),SFSH6.0MCB-TF21
L100	166-F01G	FILTER,DSS306-93FZ103N
L801	150-F06H	FILTER(CIRC),SQE2930 30MH
T101	166-C06D	FILTER(CIRC),MKT40.4MA110P-TF01
T102	166-C06D	FILTER(CIRC),MKT40.4MA110P-TF01
T500	166-C02C	FILTER(CIRC),TPS5.5MB-TF21 MURATA
"	166-C04B	FILTER(CIRC),TPWA03B-TF21 *KE-
X01S	156-A01X	CRYSTAL,HC49U KJE RADIAL 4.286MHZ
X01	156-A08A	CRYSTAL,HC49U DISHINKU RADIAL 32.768KH
X02	156-A01T	CRYSTAL,HC49U SUNNY RADIAL 10.000MHZ
X301	6202R1443AC	CRYSTAL,X-TAL 4.433709M 15PPM
X500	156-A01C	CRYSTAL,HC49U KJE RADIAL 3.579545MHZ
X501	156-A01V	CRYSTAL,HC49U KJE RADIAL 4.433619MHZ
Z100	166-A01B	FILTER,OFWK3953M 37.4MHZ
"	6200VQS001M	FILTER(CIRC),OFWG3963M *KE-
Z101	6200VQS001D	FILTER(CIRC),OFWK9260M 38.9MHZ
Z102	166-A01L	FILTER,OFWL9453M
TELETEXT PARTS		
C04T	0CE107DF618	100UF STD 16V M
C05T	0CC3300K415	33P 50V J
C06T	0CC3300K415	33P 50V J
C07T	0CE106DF618	10UF STD 16V M

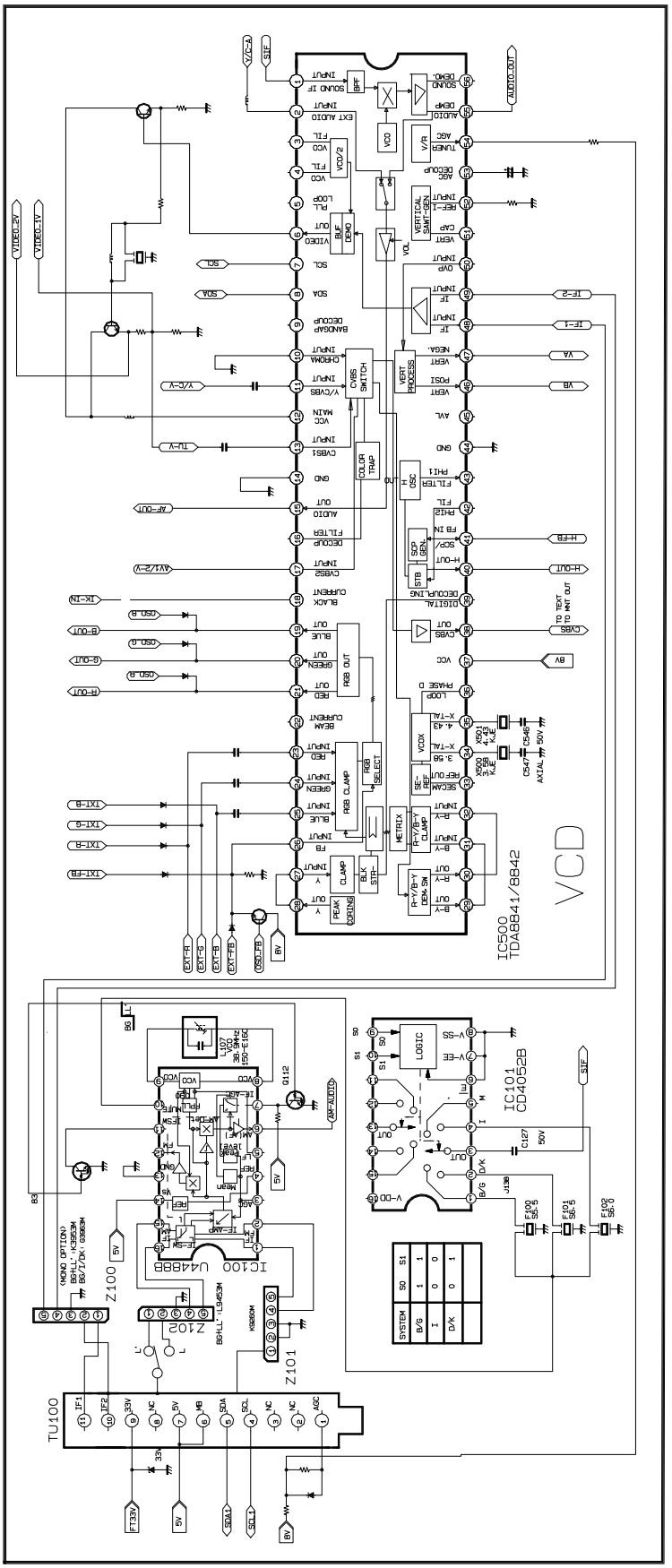
LOCA. NO	PART NO	DESCRIPTION
C08T	0CQ3332K439	0.0330UF S 50V J
C10T	0CE107DF618	100UF STD 16V M
C11T	0CN1030F679	10000P 16V M
C12T	0CE107DF618	100UF STD 16V M
C23T	0CE476DF618	47UF STD 16V M
C24T	181-007G	ECQ-V1H334JL3(TR),50V 0.3
IC01T	0ISM545400A	IC,SDA5454-B001 52P SDIP BK TXT
IC03T	0ISS753300A	IC,KA7533Z RESET T0-92 TP 3.3V
L01T	0LA0102K119	INDUCTOR,10UH K
L02T	0LA0102K119	INDUCTOR,10UH K
L03T	0LA0102K119	INDUCTOR,10UH K
L08T	0LA0102K119	INDUCTOR,10UH K
Q01T	0TR387500AA	TR,CHIP 2SC3875S(ALY) KEC
Q02T	0TR387500AA	TR,CHIP 2SC3875S(ALY) KEC
Q03T	0TR387500AA	TR,CHIP 2SC3875S(ALY) KEC
Q04T	0TR102009AG	TR,CHIP KRC102S SOT-23 TP KEC
R01T	0RD1000F609	100 1/6W 5 TA52
R02T	0RD1000F609	100 1/6W 5 TA52
R05T	0RN2702F409	27K 1/6W 1% TA52
X01T	156-A01L	CRYSTAL,HC49U 6.000MHZ 30
ACCESSORIES		
A1	3828VA0190C	MANUAL,OWNERS DG LG GE/FR/N
A1	3828VA0190E	MANUAL,OWNERS UK/WTY LG EN
A1	3828VA0190Q	MANUAL,OWNERS FS LG FR 032C/E
A1	3828VA0190S	MANUAL,OWNERS ES LG SP/PO
A2	6710V00032C	REMOTE CONTROLLER W/O TXT
A2	6710V00032E	REMOTE CONTROLLER W/TXT
A3	132-210H	ANTENNA,ROD,W/ADAPTER L=650 PAL
MISCELLANEOUS		
	3300R-0165A	PLATE,GND
	879-019K	CABLE ASSY,FFC 7PX100MM(P=1.25)
⚠ F801	0FT4001B53C	FUSE,TIME LAG 4000MA 250V 5.2X20
JK05J	6613V00009C	JACK ASSY,PMJ015C H/P+A/V 2P
LD03	4931R-0017A	HOLDER ASSY,LED
⚠ TH801	163-051F	THERMISTOR,J503P84D140M290Q
TU100	6700VPF005A	TUNER,TU8PSD01DB PAL DIN BG/L 3
"	6700VPF005B	TUNER,TU8PSD01DA PAL
RC01	106-047J	PRE-AMP,SBX2020-82(01) 38.0KHZ NO
S01	6500RAB002A	SENSOR,GP1S566 SHARP D-33
S02	6500RAB002A	SENSOR,GP1S566 SHARP D-33
S03	4930V00090A	HOLDER END SENSOR ASSY(33 DECK)
S04	4930V00090A	HOLDER END SENSOR ASSY(33 DECK)
SG901	165-004A	SPARK GAPAG20PT 152F-L3N/S-23
SG902	165-004A	SPARK GAPAG20PT 152F-L3N/S-23
SK200	381-091A	SOCKET,S-091A 21PIN H
⚠ SK902	6620VBA001A	SOCKET (CIRC),CPT PCS-633A

RPL

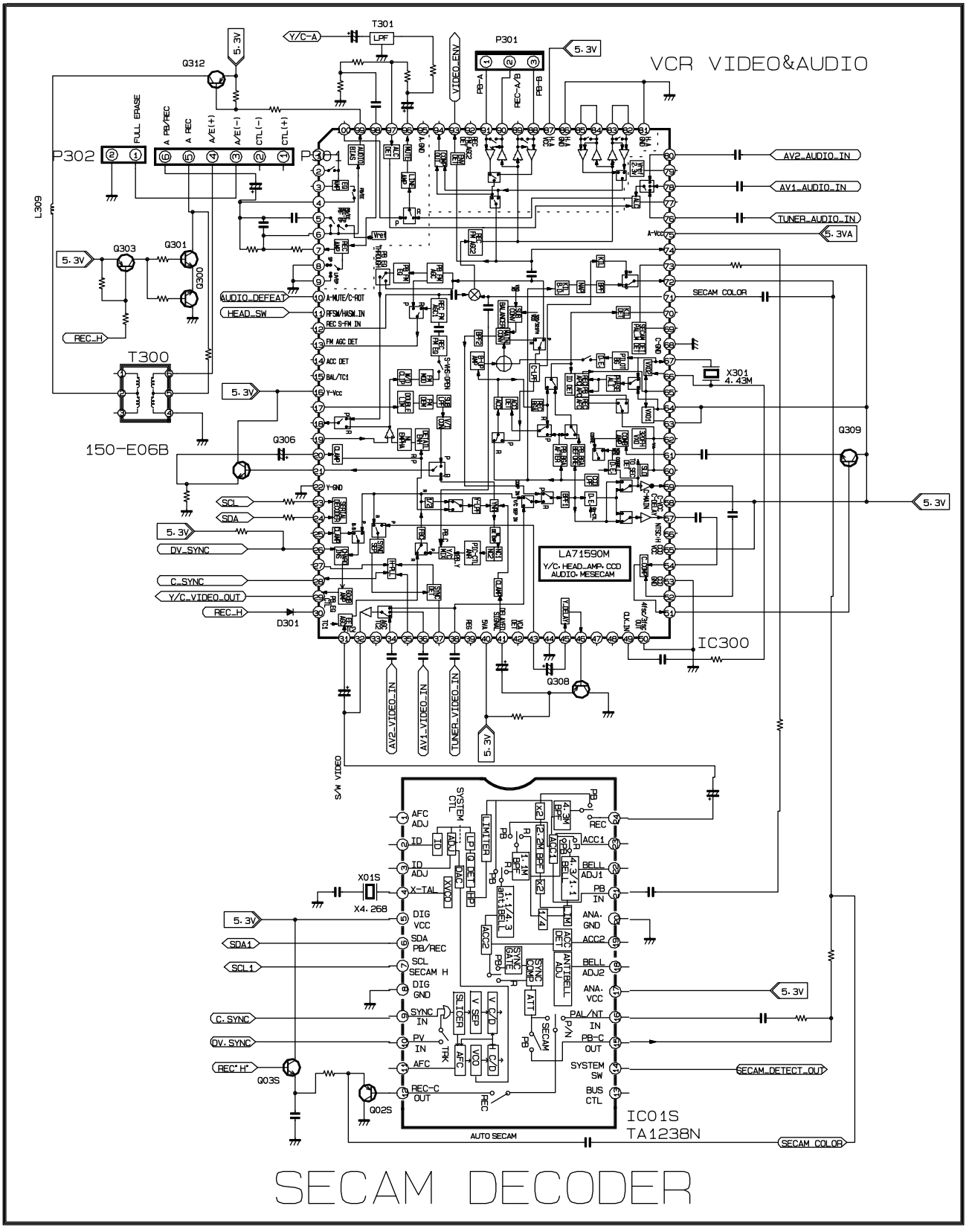
BLOCK DIAGRAM



VCD BLOCK DIAGRAM



VIDEO/AUDIO BLOCK DIAGRAM



MV-995B MAIN2 SCHEMATIC DIAGRAM

P/No. : 3854VA0060B(2/2)
Date : 2000.4.6

NOTICE
Since this is a basic schematic diagram, The value of components and some partical connection aresubject to change for improvement.

The components marked ⚠ conform to VDE or IEC guidelines and are essential for safe operation of the set, while those marked ⚠ are required for correct operation. Use specified parts only when replacing.

VALUE OF RESISTER, CAPACITOR AND INDUCTOR

1. Resistances are shown in ohm, K = 1,000 M = 1,000,000 .
2. Unless otherwise noted in schematic, all capacitor values less than 1 are expresses in mfd and the values more than 1 in pF
3. Unless otherwise noted in schematic, all coil values more than 1 are expressed in uH, and the values less than 1 in H.

OBSERVATION OF VOLTAGES AND WAVEFORMS

1. Voltages read with VTVM from point shown to chassis ground, line voltages 220 Volts, colour bar signal
2. Voltages reading may very ±20%.
3. The schematic shown is representative only.
4. All waveforms are taken using a wide band oscilloscope and a low capacity probe.
5. Check FINE TUNING, AGC, BRIGHTNESS, CONTRAST and COLOUR controls for best picture, make sure that CONTRAST and COLOUR controls are in mid position and BRIGHTNESS controls is almost in maximum position.
6. Waveforms are takrn using a standard colour bar signal.

MV995B POWER/DEF/CPT/AV2

CIRCUIT DIAGRAM OF MV-995B

P/No. : 3854VA0060B(1/2)
Date : 2000.4.6

P500
TO CPT BOARD P2902

P501A
FROM MAIN2 P805

IC500
TDA8841/8842

VCD

IC101
CD4052B

IF

IC300

Y/C

IC01S TA1238N

SECAM DECODER

IC01T
SDA5457

TXT

IC03
KA75332

IC02
AT24C16

IC04
KA7532Z

SERVO

IC05
LB1645N

IC06
35041-075FP

OSD

AV S/W

IC200 LA7016

IC201
LA7016

IC202 W/SCART

SYS & CON

KEY_BOARD

P01 P04 PD04 P03 P04 P805A FROM MAIN2 P805

SK200 JK201 JK202

CIR NBR	OPTION	
D30	SYSTEM	0:L/L',BG X:BG-DK,I
D31	SECAM/MESECAM	0:DEL X:ADD
D32	SP-VLP	0:SP ONLY X:SP/LP
D33	TEXT	0:DEL X:ADD
D34	VPS/PDC	
D35	NC	

SYSTEM	S0	S1
B/G	1	1
I	0	0
D/K	0	1

	1	2	3	4	5	6	7	8	9	10	11	12	13
	2.8Vp-p 1KHZ	2Vp-p	220mVp-p	28Vp-p 15.75KHZ	1.7Vp-p	5Vp-p 15.75KHZ	5Vp-p 60HZ	0.2Vp-p	1.4Vp-p	4.4Vp-p	3.2Vp-p	4.0Vp-p	7Vp-p
WAVEFORMS V/C IC 402		PIN2(PB) 500mVpp	PIN3(PB) 500mVpp	PIN41(REC) 500mVpp	PIN61(REC) 500mVpp	PIN51(REC) 1.0Vpp	PIN8(PB) 400mVpp	PIN11(PB) 350mVpp	PIN14(REC) 360mVpp	PIN17(PB) 550mVpp	PIN18(PB) 480mVpp	PIN21(PB) 200mVpp	PIN26(PB) 4.2Vpp	PIN28 2Vpp	PIN30 5.0Vpp	PIN31 1.0Vpp	PIN34(REC) 1.2Vpp	PIN25(PB) 420mVpp	PIN35(PB)1500mVpp

PB.V
PB.A
REC.V
REC.A